

63.01  
CANADA  
1922

# Fall 1922

*Decorative  
Border  
of  
Darwin  
Tulips.*

*Kenneth M'Donald  
& Sons Limited  
Seeds Ottawa, Can.  
Market Sq.*



# How to Grow Bulbs

Your success with bulbs depends principally on providing suitable conditions for the development of the embryo flower which has been formed in the bulb during the previous growing season.

**SELECTION OF BULBS**—Only firm, well ripened bulbs can produce first class exhibition blooms, the essential point in really good bulbs being density. A serious mistake sometimes made by the inexperienced is planting very cheap, and consequently very poor bulbs, and then expecting as good results as can be obtained from those of better quality; for, as before mentioned the quality of the flowers is to a great extent stored up in the bulb, to be brought to perfection by proper soil, moisture, and temperature conditions.

For best quality Hyacinths indoors use first size bulbs. Second size and third size will give fair blooms. Use second size Hyacinths for garden purposes as they will give as large a flower as will stand up under outdoor conditions. Avoid using mixed Tulips or Daffodils for forcing. They will bloom irregularly and the effect is never as good as when a named variety is used.

## Indoor Culture

**CULTURE IN POTS**—New pots should be used if possible, and should be thoroughly soaked in water before potting. If old pots are used they should be washed quite clean before using. A good composition for pot culture is made by mixing three parts good garden loam, one part coarse sand and one part leaf mould. However, if this is not available, use any good loamy soil, adding enough coarse sand to make it porous. Good drainage can be secured by placing a piece of broken pot over the drainage hole and about an inch of coarse, open soil with the finer soil over this. Don't press the bulbs into the soil. If you do, the strong root growth may force them up out of the pots. The better way is to put in sufficient soil for the bulbs to rest on at the proper depth, then place the bulbs and fill up around them with more soil. The soil should come within half an inch of the top of the pot and the bulbs should protrude slightly when the soil has been firmed around them. They should then be well watered and put away in a cool cellar or dark room to make root growth. A strong development of the roots is essential to success, and this is best accomplished by keeping them cool, dark and moist. If the bulbs push up when beginning root growth it is better to re-pot them, rather than attempt to push the bulb back into its place. Bulbs should get from six to twelve weeks for rooting, varying according to varieties.

Do not bring them to the light until they are well rooted, which will be indicated by roots showing through the drainage hole and by the growth of the flower spike at the top. Bring gradually to the full light and heat necessary for forcing, and be sure they are kept quite moist at all times. When the blooms are quite open they can be removed to a lower temperature where the flowers will last much longer.

**CULTURE IN FANCY BOWLS**—One of the best ways is the "no drainage" method with which the requirements are so simple and the results so sure that it is rapidly becoming the most popular way of flowering bulbs indoors.

One of its chief merits is the fact that it permits any fancy bowl or piece of art pottery being utilized, as the use of the special fibre compost renders drainage unnecessary. Put a few lumps of charcoal in the bottom of the bowl to keep the mixture sweet, and upon this place a layer of the compost thoroughly mixed, and slightly damp to a depth of 2 to 3 inches. Insert the bulbs in the fibre and then fill up with compost to the ordinary level, taking care to have the compost moderately firm, but not tight around the bulbs.

They should then be watered until thoroughly damp, but not sodden, and placed in a cool, dark room or cellar away from frost, but where the air circulates freely. They will need from six to eight weeks to make root growth, during which time they should be regularly examined and watered when necessary. Then they are well rooted and showing a little top growth they can be taken into the room where they are to flower and placed near a window. They will need rather more water when they begin to bloom, as the fibre must not be allowed to dry out at any time. It should be kept uniformly damp but any excess of moisture must be avoided. Should too much water be inadvertently given it can easily be poured off.

## Outdoor Culture

**NOTES ON BEDDING**—The beds should be well dug and loosened to a depth of 12 inches, or more and enriched if necessary with well rotted cow or sheep manure or fertilizer. Fresh manure is injurious to bulbs. Many people use the dibble for putting in bulbs, but we think it well worth while to remove the top soil entirely to the necessary depth, and put in a layer of about 1 inch of coarse sand. The bulbs are then carefully arranged in the sand, and the top soil replaced evenly, using care not to disturb the bulbs. This method ensures even flowering, as all the bulbs are at equal depth. After the ground is frozen hard, cover the beds with three or four inches of leaves, evergreen boughs or dry litter, and remove gradually when spring comes. Do not cover before frost, as this may start top growth prematurely, and do not remove protection too soon as the alternate freezing and thawing might injure the bulbs by breaking the roots.

**BULBS IN THE PERENNIAL BORDER**—Many of the finest bulbs are particularly adapted for permanent planting in the hardy border. Darwin Tulips suit admirably for this purpose, and will last for years. They look well planted in clumps of 12 to 18 or more of each variety.

The Cottage, Rembrandt, Breeder, Parrot, Bizards and Byloem types of Tulips are also splendid for border planting. Most of the Narcissus will do well in permanent borders and will often increase and multiply from year to year. They show up to particular advantage if planted beside Paeonies, as their bright coloring contrasts so effectively with the red Paeony shoots coming out of the ground. Crocuses, Scillas, Snowdrops and Chionodoxas can also be used in the hardy border and are very effective.



Tulips in Fibre Compost

## BEDDING TABLE

Table showing number of bulbs required to fill a circular bed of dimensions given below. A square bed requires about same number of bulbs. To find number required for an oval bed, add length and breadth and divide by 2.

| Diameter of Bed      | 3   | 4   | 5   | 6   | 7   | 8   | 9   |
|----------------------|-----|-----|-----|-----|-----|-----|-----|
|                      | Ft. | Ft. | Ft. | Ft. | Ft. | Ft. | Ft. |
| Bulbs 4 inches apart | 68  | 118 | 181 | 260 | 351 | 457 | 577 |
| Bulbs 5 inches apart | 45  | 77  | 118 | 168 | 226 | 296 | 371 |
| Bulbs 6 inches apart | 35  | 55  | 84  | 118 | 159 | 206 | 260 |
| Bulbs 8 inches apart | 21  | 33  | 49  | 68  | 91  | 118 | 148 |





## McDonald's Bulbs of Quality



**DIRECT** from Holland we bring to you all that is best and newest in Tulips, Hyacinths, and Daffodils. Japan sends us her most beautiful Lilies. Narcissi from France, Sacred Lilies from China, wherever bulbs bloom best, we bring them to you.

At our Maplewood Nurseries, we grow Irises, Peonies, and Phloxes in numbers and variety not exceeded in the Dominion. This list offers you most of the best kinds in cultivation, varieties that are worthy to uphold the high standard of quality we have set for McDonald's Bulbs and Plants.

**Order Early**—The best time to order your bulbs is just as soon as you get this catalogue. Don't put off till the season is well advanced, as many varieties are short in supply and will be sold out early. Should any item on your order be sold out we will send you the nearest variety in stock unless you advise us that you don't wish any substitution.

**Name and Address**—When ordering, please use Order Sheet supplied with this catalogue. Write distinctly, giving name and full address. Orders sometimes reach us in which the name or post office address is lacking. It is impossible to fill orders of this description until the same have been identified.

**Time of Shipment**—Most of the bulbs are ready to ship by the end of September. A few sorts which do not mature till October or November are noted in the catalogue. Unless otherwise instructed we will send the early bulbs as soon as ready, and the late maturing sorts when in good condition to ship.

**How to Send Money**—Cash should accompany all orders. We assume all responsibility of amounts reaching us when sent by any of the following methods: Post Office Order, Express Order, Bank Draft or Registered Letter.

*Kenneth McDonald Sons Limited*

### Bulbs, Plants, Trees and Shrubs

We endeavor always to supply bulbs, plants, trees, and shrubs, true to name, and of highest quality, but since we have no control over weather and soil conditions, improper planting, or neglect, we make no guarantee of the success of goods after delivery to purchaser. The utmost care is taken in packing, and goods leave us in first-class condition. If, by any chance, the stock sent you, does not arrive in good order, we must be advised immediately, and we will replace. In the event of plants being mislabeled, we will, on proper proof, replace such plants with the correct variety, or refund the original purchase price. Beyond this, we assume no responsibility.

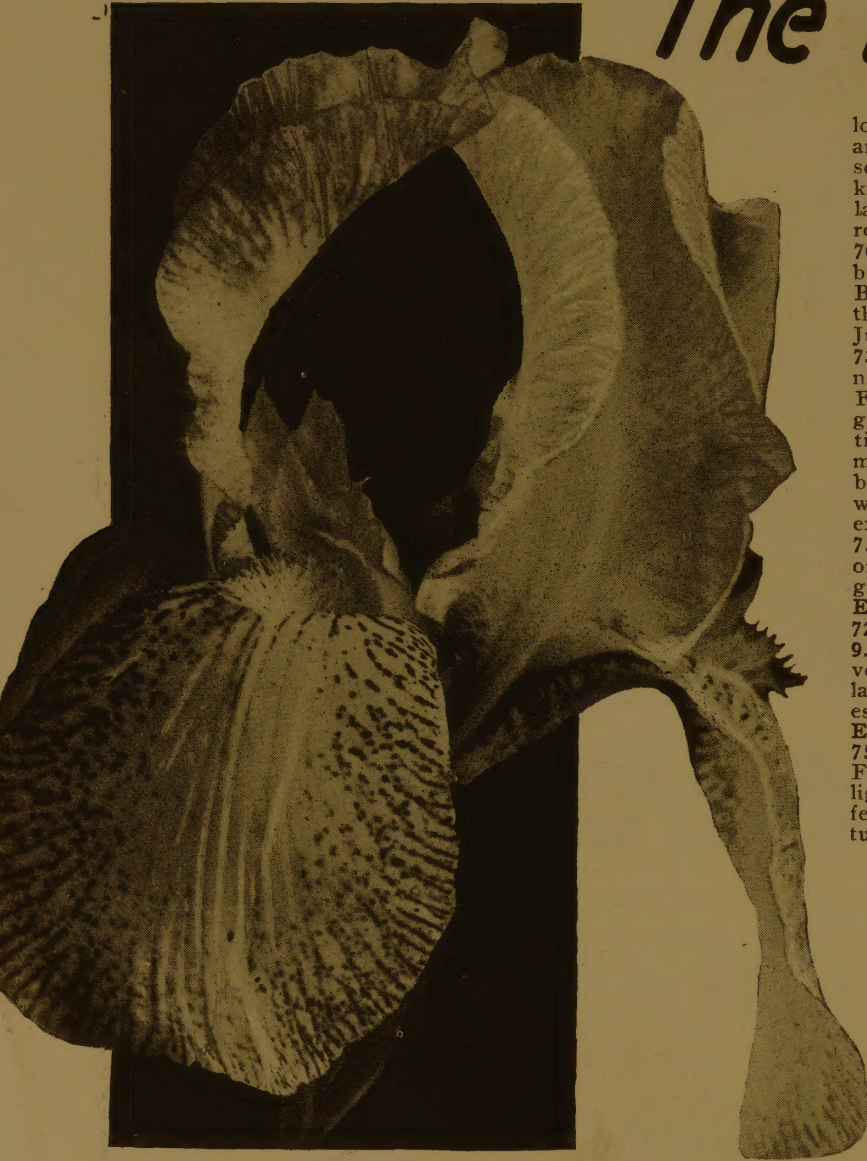
#### SPECIAL FREE DELIVERY OFFER

We will deliver all bulbs and plants listed in this catalogue charges prepaid to any station in Ontario or Quebec provided cash accompanies the order.

This offer applies **ONLY TO BULBS AND PLANTS** ordered from this catalogue. We will send such orders by express, parcel post or freight, at our option.



# The Newest Irises



Zouave.

7310. **MAGNIFICA**—(Vilm. 1920) 9.1—Strong grower. 'S' clear violet-blue. 'F' very long reddish violet, striped brown at base. Yellow beard. Very fragrant. This plant is exceptionally striking owing to the grandeur of its flowers which are probably the largest of all Iris. Each, \$4.00; 3 for \$10.00.

## New Japanese Irises

The grandeur of these fine Irises surpasses any written description we could give of them. They bloom in late June and July after all other Irises have passed. Flowers are of immense size, sometimes measuring 6 to 8 inches in diameter. They offer innumerable wonderful color combinations.

Plant in Spring, or from late August to October, in well-enriched good clay loam preferably. They like considerable moisture, but must not be grown where water lies throughout the year. We recommend slight winter protection when planted as far north as Ottawa.

We offer the following Japanese varieties: price, unless otherwise mentioned, each 50c; 3 for \$1.25.

- 7700. **ASTARTE**—(Double)—Deep violet.
  - 7705. **CIRCE**—(Double)—Violet-blue, pencilled white.
  - 7710. **EUMEE**—(Single)—Dark violet.
  - 7715. **HELIOS** (Double)—Purplish violet.
  - 7720. **HERCULE**—(Double)—Lilac-blue, washed violet-blue.
  - 7725. **IPHIGENIE**—(Double)—Deep chinese lilac.
  - 7730. **NINA**—(Double)—White ground, spotted rose.
  - 7735. **PATROCLE**—(Single)—Dark reddish violet.
  - 7740. **PLUTON**—(Double)—Lilac, veined violet.
  - 7745. **PROSPERINE**—(Single)—Rich blue.
  - 7750. **ULYSSE**—(Double)—Clear lilac; extra fine, \$1.00
- MIXED JAPANESE IRIS**, 3 for 60c; Doz., \$2.20.

Only those who are keeping in touch with the wonderful development of the Bearded Iris, know the splendid advance in form and color displayed by the newer varieties. The last few years have seen the advent of glorious new sorts which far surpass the older kinds in beauty and vigor. Herewith we offer a few of the very latest novelties, several of which are not yet listed elsewhere. These roots are all of our own growing at Maplewood.

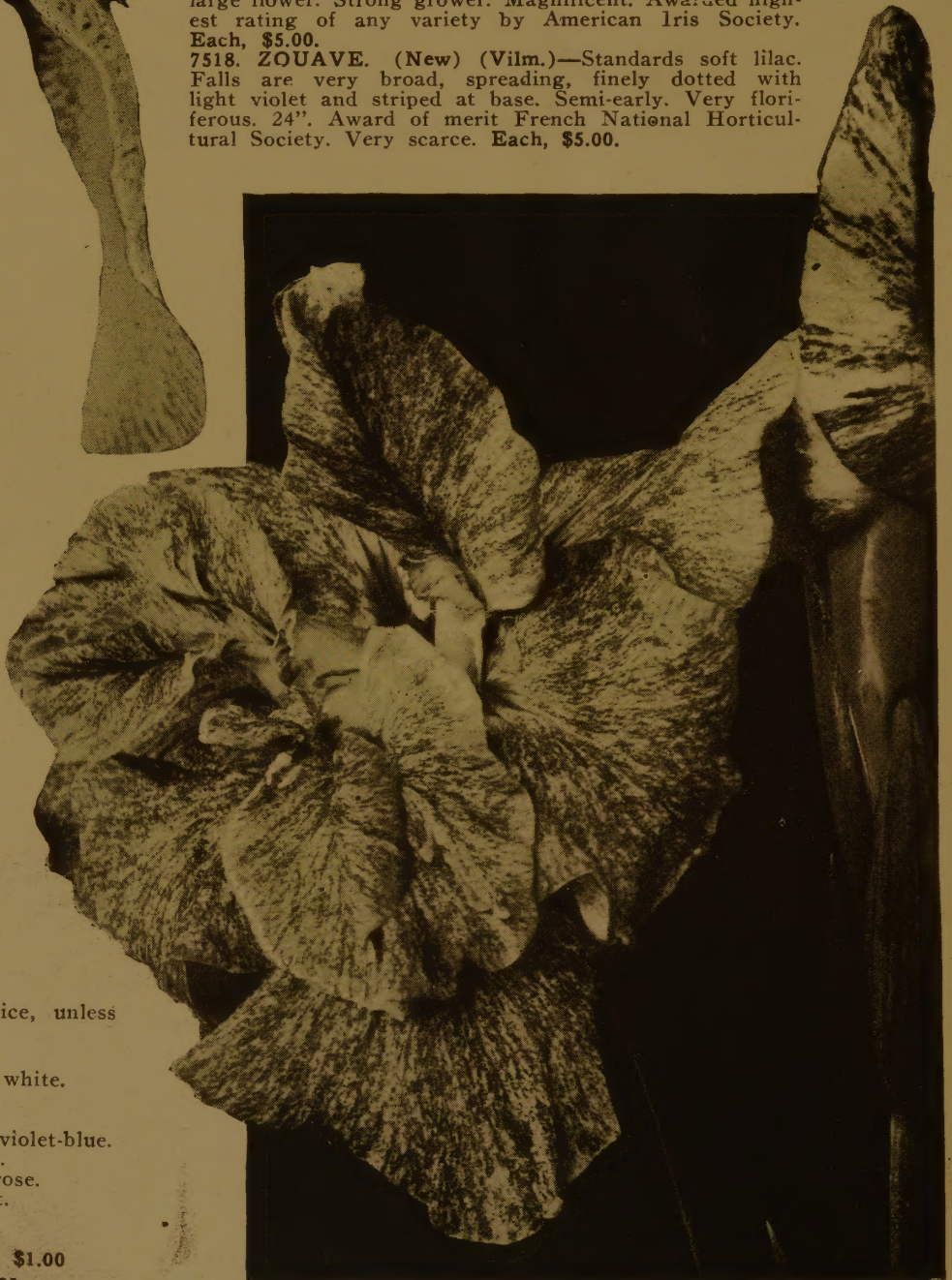
7025. **AMBASSADEUR**—(Vilm. 1920) 9.4—'S' reddish violet. 'F' broad and deep velvety purple. Large blooms of the Dominion class. Beard yellow. An exceptionally fine variety and superior to anything in its color. Award of merit, Royal Horticultural Society, June 7th, 1921. Each, \$4.00, 3 for \$10.00.

7344. **MRS. WALTER BREWSTER**—(Vilm.) (New)—This superb new hybrid Iris was recently awarded a certificate of merit by the French National Horticultural Society. The plant is a vigorous grower and extremely floriferous, each stiff branching stem oftentimes bearing as many as six lovely blooms. Flowers are of immense size, the standards being of an exquisite shade of lavender-blue. Falls, aniline-blue, the base being veined with brown on a white ground. Height 28". There being but very few plants in existence of this fine novelty, price is necessarily high. Each, \$10.00.

7509. **TRIANON**—(New) (Vilm. 1921) Medium late. Plants vigorous and exceedingly floriferous. Flowers of medium size, but of great delicacy. 'S' yellow. 'F' yellow with a bluish reflex. 28". Each, \$5.00.

7287. **LENT. A. WILLIAMSON**—(Williamson 1918) 9.6 Standards very broad, soft campanula violet. Falls very large velvety royal purple. Golden beard. Extra large flower. Strong grower. Magnificent. Awarded highest rating of any variety by American Iris Society. Each, \$5.00.

7518. **ZOUAVE**. (New) (Vilm.)—Standards soft lilac. Falls are very broad, spreading, finely dotted with light violet and striped at base. Semi-early. Very floriferous. 24". Award of merit French National Horticultural Society. Very scarce. Each, \$5.00.



Iphigenie.





## Novelties for 1922

Some of the rarest and choicest varieties it has ever been our pleasure to import, are listed here. These have all been thoroughly tested, many of them by ourselves, and we can assure our friends of worth-while sorts that are both new and distinct. The newer Breeder Tulips are marvels for size and beauty of form, and are coming markedly into popular favor.

### New Breeder Tulips

**BACCHUS**—Immense flower of rich, dark, violet-blue, base starred white. One of the best of the dark tulips. Each, 25c; doz., \$2.50.

**GREAT SAMSON**—Violet-purple with edge of clear bronze-yellow and purple bloom. Inside lilac-bronze with blue-green base starred yellow. Large flower of attractive coloring. Height 25 inches. Doz., \$1.50; 100, \$10.00.

**PRINCE OF WALES**—A fine midseason bloom of warm maroon-brown, edged coffee-brown with black base marked with yellow. A large flower of flat, open form good for planting with paler bronze Breeders. Height 28 inches. Each, 40c; doz., \$4.25.

**VELVET KING**—A particularly handsome flower of dark, glossy, purple-maroon, with yellowish base marked blue. A large bloom with splendid lasting qualities. Splendid for border planting. Height 25 inches. Each, 20c; doz., \$2.00.

**VULCAIN**—Reddish apricot with broad margin of bright buff-yellow. A beautifully shaped flower and unlike any other Breeder. Height 25 inches. Each 35c; Doz., \$3.50.

### The Newer Daffodils

**AUTOCRAT**—Incomparabilis. Broad perianth of pale yellow, golden yellow cup widely expanded at the mouth. A splendid border variety and one of the best for forcing. Height 20 inches. Doz., 95c; 100, \$7.00.

**SPRING GLORY**—Bicolor trumpet.—Long trumpet of deep golden yellow beautifully reflexed at mouth. Clear white perianth with finely formed, long, white petals. One of the finest new Daffodils, very large and a vigorous grower. Good for pots or outdoors. Height 16 inches. 3 for 50c; doz., \$1.70; 100, \$12.25.

**WHITE LADY**—Leedsii.—Perianth creamy white with broad, well-formed petals. The small central cup is pale canary, beautifully crinkled. A dainty specimen of the new Daffodils. Free blooming and well suited to outdoor growing, and an exquisite variety for pots or as a cut flower. Height 20 inches. Doz., 95c; 100, \$7.00.

**KING GEORGE**—Poeticus.—A beautiful novelty which can be forced earlier than any other of this class. Flowers are pure waxy white with yellow cup margined deep orange-red. Grand, strong stems for cutting,—flowers large and very substantial. Height 18 inches. Doz., \$1.10; 100, \$8.00.

**HELOISE** — Beautiful shade of dark brown, shaded old rose. Yellow base marked olive-green. 28". Each. 50c; doz., \$5.00.

**LOUIS XIV**—Rich, dark purple, with a shade of steel blue heavily flushed bronze. Edges golden brown. Immense broad petals. One that always attracts favorable comment. Each, 30c; doz., \$2.75.

**ORANGE BEAUTY**—Rich terra cotta edged deep orange with yellow center starred black. Large showy flower with color tone as bright as any Darwin. Height 27 inches. Doz., \$1.00; 100, \$7.50.

### New Darwin Tulips

**BARTIGON**—Fiery crimson, edges of petals and inside, carmine-lake. Pure white base, edged violet. One of the best forcing varieties. Doz., 90c; 100, \$6.50.

**FLAMINGO**—An even tone of delicate shell-pink. This is an unusually pretty flower, of magnificent shape. Flowers of medium size. Doz., 90c; 100, \$6.50.

**LA TULIPE NOIRE**—The blackest of all the tulips, being a very dark, glossy, maroon-black. Flowers large and vigorous. Height 25 inches. Doz., 60c; 100, \$4.50.

**SIERAAD VAN FLORA**—Vivid rosy red, white base, with blue markings. A good forcer, and an excellent variety for outdoor planting. Doz., 60c; 100, \$4.50.



Louis XIV

**KLONDYKE**—Poetaz.—Perianth even tone of pure bright yellow, with golden-yellow eye. A new variety of remarkable size and vigor, giving 6 to 8 flowers on a stem. Height 18 inches. Doz., \$1.75; 100, \$12.50.



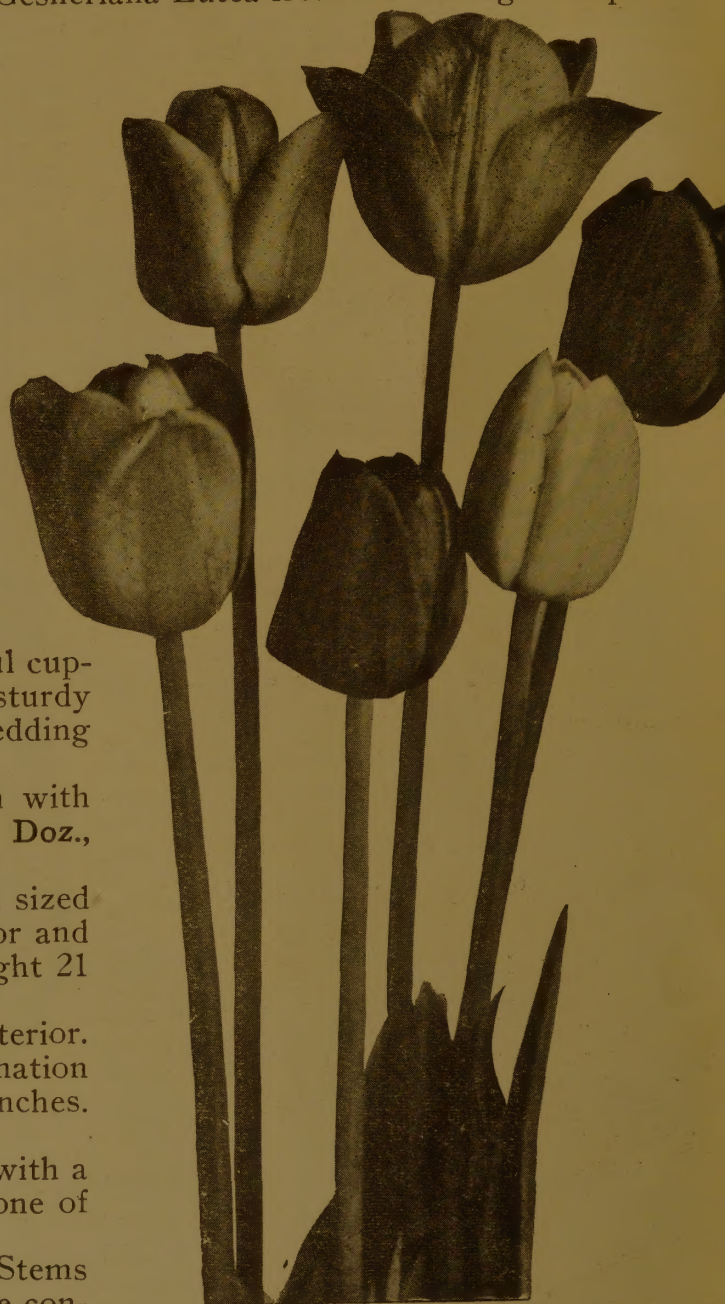
# *Giant Darwin Tulips*



Mr. Farncombe Sanders.

**G**ARDEN lovers everywhere have given these stately varieties a permanent place in their favour. These are conceded to be the finest of all Tulips for the herbaceous border. Their majestic beauty, marvellous range of colors, long stems and entire hardiness make them eminently suitable for this purpose or for massing in groups along the edge of shrubbery. When planted in bold clumps of twelve or more of one variety they afford one of the most effective displays in the garden. Many sorts force well and are easy to handle if kept back till about the middle of February and brought on slowly. Nearly all shades are represented among them, but there are no clear yellows, and where this color is desired we recommend Inglescombe Yellow or Gesneriana Lutea from the Cottage Tulips.

The Darwins are rectified forms of the old Breeders. Their great beauty was first recognized by one of the famous Dutch growers who deemed them worthy of forming a new race which he named in honor of the great evolutionist Charles Darwin.



Mixed Darwin Tulips.

**BARONNE DE LA TONNAYE**—A large and beautiful cup-shaped flower of bright rose, margined blush-rose. A sturdy variety keeping its color well and one of the best for bedding or forcing. Height 26 inches. Doz., 55c; 100, \$4.00.

**BARTIGON**—A very showy Darwin of fiery crimson with white base. A gem for borders. Height 26 inches. Doz., 90c; 100, \$6.50.

**CLARA BUTT**—Clear pink, flushed salmon-rose; good sized flower of handsome shape. The finest Darwin of its color and extensively used in beds and borders. Good forcer. Height 21 inches. Doz., 55c; 100, \$4.00.

**DREAM**—Rosy lilac and mauve with claret-purple interior. Large flowers of perfect form, very handsome in combination with the dark lavender and purple shades. Height 27 inches. Doz., 55c; 100, \$4.00.

**EDMEE**—(Beauty)—A beautiful shade of cherry rose with a lighter border. It's wonderfully vivid color makes it one of the finest. Height 25 inches. Doz., 70c; 100, \$5.25.

**EUROPE**—Glowing fiery crimson with white base. Stems are strong and the flower large and erect with white base contrasting well when the flower is fully open. Very fine for borders and splendid for forcing. Height 22 inches. Doz., 55c; 100, \$4.00.



# Bulbs of Quality



TRADE  
MARK



**EUTERPE**—A beautiful shade of mauve, edged lilac, white center with a blue halo. A long flower of exquisite coloring. The finest lavender Darwin for forcing. Height 28 inches. Doz., 65c; 100, \$4.75.

**FLAMINGO**—An even tone of delicate shell pink. This is an unusually pretty flower of magnificent shape. Flowers of medium size. Height 28 inches. Doz., 90c; 100, \$6.50.

**ISIS**—A new variety of the most intense fiery scarlet with blue base; very large flower of striking beauty. Height 26 inches. Doz., 65c; 100, \$4.75.

**KING HAROLD**—Very large flower of perfect form and unique coloring. Deep oxblood red with purple-black base. A superb, strong stemmed variety for the border. Height 24 inches. Doz., 60c; 100, \$4.50.

**LA TULIPE NOIRE**—(The Black Tulip)—One of the darkest tulips in cultivation being a deep maroon-black with a velvety sheen in sunlight. Flowers large and vigorous. Height 25 inches. Doz., 60c; 100, \$4.50.

**LORD HERTSFORD**—A superb novelty of glossy blue purple with shadings of dark violet. Large, long flower on strong stems. Height 26 inches. Doz., 80c; 100, \$6.00.

**MARCONI**—Blue-purple with maroon shading, changing to ashy purple; white base. An unusually large flower whose delicate coloring shows up most beautifully in late afternoon. Height 22 inches. Doz., 60c; 100, \$4.50.

Psyche  
One of the charming  
rose shades.

**MARGARET**  
(Gretchen)—A very beautiful flower of pale silvery rose, flushed white, inside soft pink with white centre marked blue. Large globular flower on stiff stalk and one of the best forcing varieties. Height 22 inches. Doz., 50c; 100, \$3.75.

**MR. FARNCOMBE SANDERS**—One of the largest flowers among the Darwins; brilliant dark rosy red with white base. Long stiff stems. A truly gigantic, broad petaled flower of perfect shape and probably the best of this color either for borders or forcing. Our special stock of this variety is particularly fine. Height 25 inches. Doz., 65c; 100, \$4.75.

and usually have more than six petals, giving a semi-double appearance. Unsurpassed for borders and a sure and early forcer. Height 26 inches. Doz., 50c; 100, \$3.75.

**PRINCESS ELIZABETH**—Large flower of perfect shape, quite like a rose bud when opening. Beautiful clear deep pink, changing to rose-pink, white base. A splendid variety for the perennial border. Height 26 inches. Doz., \$1.00; 100, \$7.50.

**PROFESSOR RAUWENHOFF**—Bright cherry-red, with scarlet glow inside and remarkably brilliant blue base; enormous flower of great substance on a strong stem. Superb for borders or among shrubbery, and for early forcing. Height 28 inches. Doz., 75c; 100, \$5.75.

**PSYCHE**—One of the first Darwins to bloom. Silvery rose, edged soft rose with beautiful pale blue center. Large handsome flower of good shape. Very beautiful in clumps and one of the best for forcing. Height 26 inches. Doz., 50c; 100, \$3.75.

**REVEREND D'OMBRAIN**—Fiery crimson-red, inside currant red, with blackish blue base starred white. Beautiful for late forcing and splendid for bedding. Height 26 inches. Doz., 65c; 100, \$4.75.

**REV. H. EWBANK**—Soft lavender violet with silvery gray flush darkening toward the white base; good-size flower of remarkably beautiful coloring. Fine for borders. Height 22 inches. Doz., 50c; 100, \$3.75.

**SIERAAD VAN FLORA**—Vivid rosy red, white base with blue markings. A good forcer and excellent for outdoor planting. Height 26 inches. Doz., 60c; 100, \$4.50.

**VALENTIN**—Fine soft heliotrope with shading of light violet, blue base. It blooms before most Darwins and carries a beautiful long, large flower. A magnificent Tulip both for outdoor and forcing. Height 22 inches. Doz., 95c; 100, \$7.00.



Clara Butt.

**OUIDA**—Crimson-scarlet, with slight purplish bloom, and white base starred dull blue. A fine bedding variety, good keeper and valuable for massing in the border. Height 25 inches. Doz., 55c; 100, \$4.25.

**PRIDE OF HAARLEM**—Brilliant rosy carmine, with blue base; very large flower of superb form, borne on tall strong stems; a wonderful tulip both for its glorious color and its stately habit. Flowers are sweet-scented

**ZULU**—Glossy purple black of velvety texture with pointed petals. Large egg shaped flower. Splendid for clumps and a good forcer. Height 27 inches. Doz., 80c; 100, \$6.00.

**MCDONALD'S SUPERB MIXED DARWINS**—The increasing popularity of the Darwin Tulips has brought out a great many splendid varieties too numerous to list separately. The mixture we offer is composed of the best of these in equal quantities with the named varieties listed here. It contains more distinct varieties than any other mixture you can buy. Doz., 40c; 100, \$3.00.



# New Breeder Tulips

**T**HE newer varieties among the breeders are wonders for size and stateliness, many of them outclassing even the most gigantic Darwins. They are unbroken forms of the old-time florists Tulips. From them were derived the striped and feathered varieties now classed as Rembrandts.

Breeders are of vigorous growth and have characteristic, large, self-colored blooms, many of them deliciously fragrant. Strangely somber tones of bronze, buff and brown give artistic possibilities possessed by no other class. Many of them can be forced, but their majestic beauty is seen to best advantage in the perennial border where they contrast so effectively with the livelier colors of the Darwins and Cottage Tulips.

**BACCHUS**—Immense flower of rich, dark violet blue, base starred white. One of the best dark Tulips. Height 28 inches. Each, 25c; Doz., \$2.50.

**BRONZE QUEEN**—One of the largest and finest of the new Breeders growing 28 inches high, soft buff tinged golden bronze inside with yellow base. Superb for the border. Height 28 inches. Doz., 90c; 100, \$6.50.

**DOM PEDRO**—A very large, fragrant Tulip of coffee-brown, with narrow edge of golden brown; dark reddish mahogany inside. Contrasts most effectively with the lighter Breeders. Height 24 inches. Each, 20c; Doz., \$2.00.

**FAIRY**—Enormous globular flower of reddish mahogany inside with bronze shading. An extra large flower of artistic character. Height 24 inches. Doz., \$1.10; 100, \$8.50.

**GODET PARFAIT**—Dark plum violet with white base and blue markings. A splendid Breeder for growing in the border. Height 30 inches. Doz., \$1.50; 100, \$10.00.

**GREAT SAMSON**—Violet purple with edge of clear bronze yellow and purple bloom. Inside lilac bronze with blue-green base, starred yellow. Large flower of attractive coloring. Height 25 inches. Doz., \$1.50; 100, \$10.

**HELOISE**—Beautiful shade of dark brown, shaded old rose. Yellow base marked olive green. Height 28 inches. Each, 50c; Doz., \$5.00.

**JAUNE D'OEUF**—Lively yellow, with broad lilac stripe; in side dark yellow, flushed apricot at base; an old but large and attractive flower of distinct shape. Height 21 inches. Doz., 55c; 100, \$4.00.

**LA SINGULIERE**—Opening silvery white, heavily flushed at margin with dark crimson-maroon, which later suffuses the whole flower. Very large and distinct. Height 25 inches. Doz., 80c; 100, \$6.00.

**LOUIS XIV**—Rich, dark purple with a shade of steel blue, heavily flushed bronze. Edges golden brown, Immense broad

petals. One that always attracts favorable comment. Height 28 inches. Each, 30c; Doz., \$2.75.

**ORANGE BEAUTY**—Rich terra cotta edged deep orange with yellow center starred black. Large, showy flower with color tone as bright as any Darwin. Height 27 inches. Doz., \$1.00; 100, \$7.50.

**PRINCE OF WALES**—A fine midseason bloom of warm maroon-brown edged coffee-brown with black base marked with yellow. A large flower of flat, open form good for planting with paler bronze Breeders. Height 28 inches. Each, 40c; Doz., \$4.25.

**TURENNE**—One of the earliest Breeders to bloom. Purplish brown with broad margin of amber yellow, and yellow base. Large and beautiful. Height 30 inches. Each, 15c; Doz., \$1.20; 100, \$9.

**VULCAIN**—Reddish apricot with broad margin of bright buff-yellow. A beautifully shaped flower and unlike any other Breeder. Height 25 inches. Each, 35c; Doz., \$3.50.

**YELLOW PERFECTION**—Bright bronze-yellow with deep golden yellow edge. Yellow base with green star. A large strong flower of great beauty. Height 24 inches. Doz., 70c; 100, \$5.25.

**VELVET KING**—A particularly handsome flower of dark glossy purple maroon, with yellowish base marked blue. A large bloom with splendid lasting qualities. Splendid for border planting. Height 25 inches. Each, 20c; Doz., \$2.00.

**MIXED BREEDER TULIPS**—A splendid mixture containing many varieties ranging from beautifully flushed white to deep wine-red, art bronze and darkest maroon. Doz., 60c; 100, \$4.50.

## DEPTH AND DISTANCE APART TO PLANT BULBS

The following table shows clearly the proper distance to set bulbs apart:—The depth given is to the crown of the bulbs, that is if depth is given as four there should be four inches of soil on top of the bulbs.

|              | Inches<br>Deep | Inches<br>Apart |              | Inches<br>Deep | Inches<br>Apart |
|--------------|----------------|-----------------|--------------|----------------|-----------------|
| Anemones...  | 1              | 6               | Jonquils...  | 3              | 6               |
| Chionodoxas  | 2              | 2               | Liliums...   | 5              | 14              |
| Crocuses...  | 2              | 2               | Narcissi...  | 4              | 8               |
| Daffodils... | 4              | 8               | Scillas...   | 3              | 3               |
| Hyacinths... | 4              | 6               | Snowdrops... | 2              | 3               |
| Irises.....  | 3              | 5               | Tulips.....  | 4              | 5               |





## Cottage Tulips (Late or May Flowering)

Many of the finest tall growing sorts are in this class. They bear very large, brilliantly colored and elegantly shaped flowers of great substance. Their great value as decorative garden subjects is now highly appreciated, while their large size and long, stiff stems make them invaluable for cutting. Many varieties, especially the yellows are often planted with the Darwins for effects of contrast.

**BLUSHING BRIDE**—Rose-pink, slightly shaded white. Superb flower. Height 20 inches. Doz., 45c; 100, \$3.50.

**BOUTON D'OR**—Deep chrome-yellow, with black anthers; medium sized, cup shaped flower. Very useful for cutting and can be forced for late bloom. Height 22 inches. Doz., 60c; 100, \$4.50.

**FAIRY QUEEN**—One of the loveliest of the Cottage Tulips. Soft rosy lilac, with a broad amber-yellow margin. Large flower of perfect form. Height 20 inches. Doz., 45c; 100, \$3.50.

**GESNERIANA LUTEA**—Purest golden-yellow, flowers on strong stems. Height 24 inches. Doz., 45c; 100, \$3.50.

**GESNERIANA SPATHULATA**—Bright scarlet with dark blue base. Fine large flower on tall stem; very effective against a shrubby background. Height 24 inches. Doz., 55c; 100, \$4.25.

**GRENADIER**—Bright reddish orange. A new Tulip of great beauty. Flowers long and handsome on graceful stems. Height 24 inches. Each, 25c; Doz., \$2.50.

**INGLESCOMBE PINK**—Soft rosy pink with salmon flush changing to rose. Large globular flower of distinct form, superb for borders and late forcing. Height 24 inches. Doz., 65c; 100, \$4.75.

**INGLESCOMBE YELLOW**—This variety is frequently called the "Yellow Darwin" as it is so often used in combination with Darwins in the herbaceous border or among shrubbery. The color is a glossy canary-yellow, with large globular flower, on strong stem. Height 24 inches. Doz., 45c; 100, \$3.25.

**JOHN RUSKIN**—One of the most striking novelties among the Cottage Tulips. Apricot-rose and mauve with an edging of soft lemon yellow. Large flower of fine shape on a graceful stem. Height 18 inches. Doz., 90c; 100, \$6.50.

**LA MERVEILLE**—Orange-scarlet flushed rose with yellow centre; very long, large flower of exquisite form, deliciously scented. A superb variety for borders. Height 20 inches. Doz., 50c; 100, \$3.75.

**MISS ELLEN WILLMOTT**—Soft chrome yellow turning to deeper yellow. Large, long flower on a strong stem. Petals reflexed like Picotee. Height 18 inches. Doz., 70c; 100, \$5.25.

**PICOTEE**—(Maiden's Blush) — This is one of the finest and most distinctive varieties among the Cottage Tulips, the color being a clear glistening white, with margin of deep rose, which later suffuses the whole flower. The gracefully reflexing petals and elegant shape makes it a general favorite. Height 20 inches. Doz., 45c; 100, \$3.50.



Cottage Tulips.

**MOONLIGHT**—A soft yet bright canary yellow with outer petals slightly reflexed. Long oval flower of great beauty. One of the finest Cottage Tulips. Superb for borders and good for late pot culture. Height 25 inches. Doz., 70c; 100, \$5.25.

**THE FAWN**—Pale rosy fawn, changing to cream flushed blush rose; large egg-shaped flower of exquisite beauty on a graceful stem. A gem among late Tulips. Height 20 inches. Doz., 50c; 100, \$3.75.

**COTTAGE TULIPS MIXED**—A splendid mixture containing many varieties. All colors mixed. Doz., 40c; 100, \$3.00.

## Rembrandt Tulips

These are broken forms of the finest type of Darwins, beautifully striped and feathered into strange variegations of color possessing great decorative value. They flower about the same time as the Darwins and require like treatment.

**LA COQUETTE**—Violet, flamed dark purple and white. A very handsome flower. Height 20 inches. Doz., 65c; 100, \$4.75.

**LE PRINTEMPS**—Lilac and white flamed dark red. Very beautiful. Doz., 65c; 100, \$4.75.

**QUASIMODO**—White feathered bright carmine; large flower, fine for cutting. Height 23 inches. Doz., 65c; 100, \$4.75.

**SEMELE**—White, heavily striped and feathered old-rose. A piece of very quaint coloring. Height 25 inches. Doz. 65c; 100, \$4.75.

## Parrot Tulips

The petals of these Tulips have peculiarly fringed and feathered edges and in addition to other colors combine shades of green, a peculiarity confined to this class. Suitable for outdoor cultivation only.

**CRIMSON BRILLIANT**—Rich blood-crimson, with black markings. Very handsome. Doz., 60c; 100, \$4.50.

**VICTOR HUGO**—Brilliant carmine-red feathered and flamed white. Large flower. One of the finest Rembrandts. Height 24 inches. Doz., 45c; 100, \$3.50.

**WEDDING VEIL**—A striking novelty of dark violet shaded soft heliotrope lilac, striped white. A very beautiful variety. Height 22 inches. Doz., 65c; 100, \$4.75.

**APOLLO**—Lilac rose striped white and carmine. Large flower of handsome markings and distinct shape. Height 23 inches. Doz., 65c; 100, \$4.75.

**MIXED REMBRANDT TULIPS**—A choice mixture containing many varieties of this type. Doz., 50c; 100, \$3.75.

**ADMIRAL DE CONSTANTINOPLE**—Large, red flowers tipped with orange. Doz., 60c; 100, \$4.50.  
**LUTEA MAJOR**—Large, bright yellow with stripes of green and crimson. Doz., 60c; 100, \$4.50.  
**RUBRA MAJOR**—Large blood-red with serrated edge. Handsome. Doz., 60c; 100, \$4.50.  
**PARROT TULIPS MIXED**—A good assortment of these quaint varieties. Doz., 55c; 100, \$4.00.



Parrot Tulips





## Single Early Tulips

The Early Tulips are among the most brilliant and popular flowers we have. They are very beautiful and effective, their colors being exceedingly rich and charmingly diversified. The effect produced by a fine bed of tulips is at once striking and picturesque, as almost every variation of color is possible among them. For attractive display outdoors the Tulip has no rival and its easy culture makes it a universal favorite. For pot culture indoors they are very satisfactory, and should be more extensively grown. Put 4 or 5 bulbs in a 6 inch pot or 7 or 8 in a 7 inch pot and treat the same as Hyacinths with the exception that the pots should be kept at a lower temperature after being brought to the light. When kept too warm the flowers will frequently open inside the leaves, but if grown at a temperature of about 60 degrees they will develop more naturally and greatly help to cheer the wintry months with their wonderful display of bloom. For outdoor culture in beds or borders they should be planted 4 inches deep and 5 or 6 inches apart. A little sand placed under each bulb is of material advantage in providing good drainage.

Letters E., M. or L. denote early, medium or late flowering. Figures give height in inches. Six of a kind at dozen rates; 25 of a kind at 100 rates.

### Crimson and Scarlet.

**BELLE ALLIANCE** (Waterloo)—(E. 9) Rich crimson scarlet with yellow centre. Very fine for bedding and extra for forcing. Doz., 50c; 100., \$3.75.

**COULEUR CARDINAL**—(L. 12)—Brilliant crimson scarlet with purplish bloom outside and yellow base. Superb bedder and splendid for late forcing. Doz., 80c; 100, \$5.75.

**DUSART**—(M. 12).—Deep crimson-scarlet with centre of greenish yellow. Large flower of fine form. Splendid bedder. Doz., 50c; 100, \$3.75.

**MAES**—(M. 12)—Dazzling scarlet with darker tone inside; a flower of model form and one of the finest reds for bedding. Doz., 65c; 100, \$4.75.

**PRINCE OF AUSTRIA**—(M. 13)—Bright coppery red and delicately scented. One of the easiest forcers with great lasting qualities. Doz., 50c; 100, \$3.75.

**VERMILION BRILLIANT**—(E. 12) No red variety excels this in brilliancy being a bright glistening scarlet with yellow base. Large flower of perfect shape. One of the choicest bedders and fine for forcing. Doz., 80c; 100, \$5.75.

### White.

**LADY BOREEL**—(Joost Van Vondell White) (E. 12)—Largest and most intense of the white early tulips, a favorite variety for bedding and one of the best early forcers. Doz., 55c; 100, \$4.00.

**LA REINE**—(Queen Victoria)—(E. 10)—This tulip is well known as the best white tulip for forcing and bedding. Its color is white daintily suffused with delicate pink. Doz., 35c; 100, \$2.75.

**WHITE HAWK**—(M. 12)—A magnificent pure white with large globular flowers of great substance exquisitely formed with crinkled petals. Doz., 80c; 100, \$5.75.

**WHITE SWAN**—(L. 12)—Large pure white of true egg shape. Fine for cutting. Doz. 55c; 100, \$4.25.

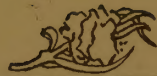
### Pink and Rose.

**COTTAGE MAID**—(M. 10)—A lovely pink and white flower of immense size. One of the loveliest tulips for pots or beds as the color is most unique and charmingly suffused and feathered. Doz., 50c; 100, \$3.75.

**HOBBEMA**—(L. 13)—This is an exceptionally late variety, blooming about the same time as the Cottage Tulips. Old rose flushed buff a very large, globular flower with rounded petals and carried on a strong stem. Doz., \$1.10; 100, \$8.00.



# Bulbs of Quality



TRADE MARK



**PINK BEAUTY**—(M. 12)—Bright cherry-rose, centre of petals striped white. It has no equal as a bedder, for the stem is strong and the white center of the big fleshy petals shows up very conspicuously against the broad vivid rose edges. Beautiful in pots, but should not be forced before March. Doz., 90c; 100, \$6.75.

**PROSERPINE**—(Queen of Tulips) —(E. 14)—Magnificent large flower of glossy carmine shaded rosy pink, forces easily and early. The flower is large, of graceful shape and deliciously scented. Doz., 90c; 100, \$6.75.

**QUEEN OF THE NETHERLANDS**—(M. 13)—Beautiful pale rose flower of large size. One of the finest pale pink Tulips for bedding. Good for forcing, retaining its delicate color well if not forced too hard. Doz., 45c; 100, \$3.75.

**ROSE LUISANTE** (M. 10)—Rich dark silky rose flowers of large size. One of the very finest rose tulips. Doz., 80c; 100, \$6.00.

## Yellow and Orange.

**CHRYSOLORA**—(M. 12)—Beautiful deep golden yellow flower of fine globular shape. Splendid for bedding and a good forcer. Doz., 45c; 100, \$3.50.

**GOLD FINCH**—(M. 10)—This is the modern type of the old favorite Yellow Prince which has been discarded on account of the brownish red streaks which frequently marred the bloom. Gold Finch is purest chrome yellow and retains its clear colour perfectly. Good bedder and forcer. Doz., 55c; 100, \$4.25.

**MON. TRESOR** —(E. 10)—Pure golden yellow, extra large flower of fine form and substance. Very easily forced. Doz., 45c; 100, \$3.50.

**FRED MOORE**—(M. 12)—An improved form of Thomas Moore. Deep ruddy apricot, shading at the edges to orange-yellow, center marked olive green. Good bedder and a lovely color when forced. Doz., 40c; 100, \$3.00.

## Striped and Margined.

**JOOST VAN VONDELL**—(E. 7)—Beautiful glossy, rosy red, flaked with pure white, a beautiful distinct flower and very large. Doz., 45c; 100, \$3.25.

**KEIZER KROON**—(Grand Duc)—(M. 16)—One of the most striking and showy Tulips in existence. The color is a dazzling crimson-scarlet with broad gold margin. Large, bold and of fine form. Splendid for forcing or bedding. Doz., 40c; 100, \$3.

**MCDONALD'S CEMETERY MIXTURE**—A high grade mixture which we prepare specially for cemetery planting. In this assortment we use clear refined shades only from the best named varieties. It is a mixture of such outstanding quality we feel sure it will give the fullest satisfaction wherever it is used. Doz., 50c; 100, \$3.75.

**MCDONALD'S SUPERB MIXED SINGLE TULIPS**—Ordinary grades of mixed Tulips are somewhat unreliable, being frequently made up by the Holland growers out of undesirable varieties or surplus lots in order to sell at a low price. For this reason we import each season a large quantity of selected bulbs of the best named varieties and prepare our own mixture. It contains a carefully balanced range of colors, and we can confidently assure customers of its superb quality. Doz., 40c; 100, \$3.00.

**MCDONALD'S SPECIAL MIXED SINGLE TULIPS**—This is the best grade of imported mixed Tulips and decidedly superior to that usually sold. As a medium priced mixture for bedding, it is unexcelled. Doz., 30c; 100, \$2.50.

## Double Tulips.

Double Tulips are very useful for bedding as they begin to bloom when the Single Early Tulips are just over and thus bridge over the period before the Cottage and Darwins come into bloom. They make very showy effects in beds and have great lasting qualities. Excellent for growing in pots or pans, but should not be forced too early. They require the same cultural treatment as the Single Early varieties.

**BOULE DE NEIGE**—(M. 10)—A loose, elegant flower looking much like a pure white peony. It reaches an enormous size when fully de-

veloped. Good for forcing or outdoor culture. Doz., 55c; 100, \$4.25.

**COURONNE D'OR**—(M. 12)—Large bold flower of rich golden yellow, flushed orange-red. A splendid bedding Tulip and a good forcer. Doz., 55c; 100, \$4.00.

**LA CANDEUR**—(M. 10)—Pure glistening white of fine form and good substance. Good for bedding or forcing. Doz., 55c; 100, \$4.25.

**LE MATADOR**—(M. 10)—Glowing scarlet. The purple bloom on the outside of the petals and the perfect egg shaped flowers make it one of the handsomest of the red Double Tulips. Doz., 75c; 100, \$5.50.

**MURILLO**—(M. 10)—The most popular Double Tulip for forcing, and always blooms well. Extra fine light pink. Large, graceful flowers; strong grower and full double. Splendid bedder. Doz., 35c; 100, \$2.75.

**QUEEN EMMA**—(M. 12)—Vivid cherry-rose, center of petals striped white; resembles in color the fine variety Pink Beauty in Single Tulips. Very fascinating on account of its colour. Doz., 80c; 100, \$5.75.

**RUBRA MAXIMA** — (M. 10) — Bright dazzling red. A fine large bedding Tulip and forces well. Doz., 45c; 100, \$3.50.



La Reine

**IMPERATOR RUBRORUM**—(M. 10)—Rich crimson-scarlet. One of the best for forcing and equally good for bedding. Doz., 65c; 100, \$4.75.

**TEA ROSE**—(Saffrano)—(M. 12)—A beautiful sport of Murillo which has all the good qualities of its parent, being particularly suitable for pot culture. The color is a pleasing saffron-yellow, shading to rosy apricot. The large, double flowers show a marked resemblance to the well known tea rose. Doz., 50c; 100, \$3.75.

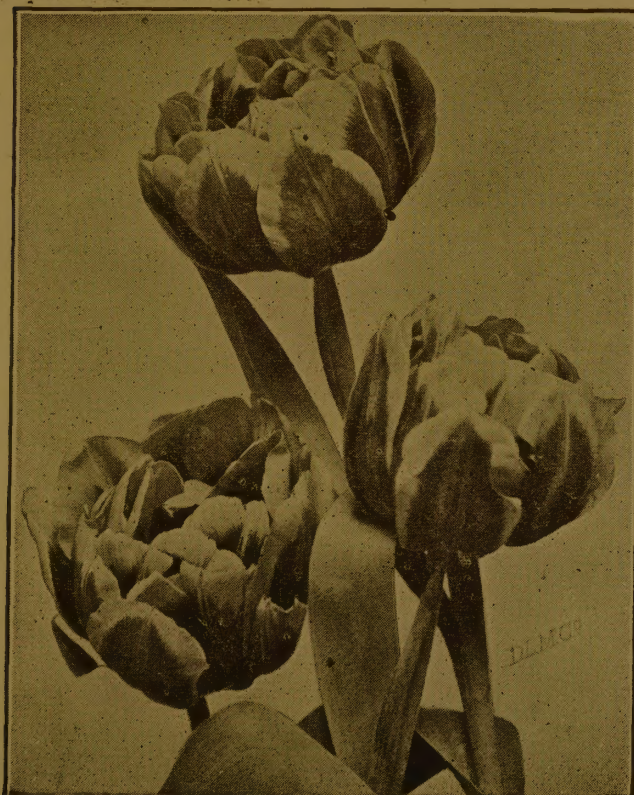
**TOURNESOL RED AND YELLOW**—(E. 10)—A gorgeous variety of intense scarlet with edge of bright golden yellow, very much like a double form of Keizer Kroon. Doz., 65c; 100, \$4.75.

**VUURBAAK**—(M. 10)—Fiery scarlet developing an orange tinge when fully opened. Extra large flowers and a favorite for bedding owing to its sturdy stems. Doz., 90c; 100, \$6.50.

**YELLOW ROSE**—(L. 14)—Beautiful deep yellow flower, large and very fragrant. Makes a beautiful pot if kept back quite late. Good bedder with strong stem. Doz., 55c; 100, \$4.00.

**MCDONALD'S SUPERB DOUBLE**

**MIXED TULIPS**—We recommend this selection as being a strictly high-grade mixture of all the finest double varieties. They are carefully blended as to color, height and blooming season, and we are sure will prove very satisfactory. Doz., 30c; 100, \$2.50.



Tournesol



# *New Exhibition Hyacinths*



Correggio

**THESE** bulbs are specially selected for us by our growers in Holland, and are the finest produced. Bulbs are of extra size, and possess strength and vigor to produce perfect blooms of immense size. We carefully revise our lists each year, keeping apace with the newest and best sorts. **Price, Each, 25c; Dozen, \$2.50.**

**CARDINAL MANNING**—Long, finely formed trusses, bright red. An extra good forcing variety.

**CITY OF HAARLEM**—Undoubtedly the finest of the yellows. Truss is large, well-formed, and of purest yellow.

**CORREGGIO**—A magnificent pure white, with large bells of wonderful substance, and a perfectly formed truss of great size. Excellent for forcing, and one of the finest whites ever raised.

**DR. LIEBER**—Deep porcelain-blue, shaded purple,—a most pleasing color combination. Extra good spike, and a good forcer.

**EXCELSIOR**—The earliest pink hyacinth. Bulb is always small, but produces a large, handsome spike with closely arranged bells.

**IVANHOE**—A sport of the well-known King of the Blues. Long, well-filled spike of indigo-blue bells, with white throat.

**MENELIK**—This is the best of the so-called "blacks,"—the color being a glittering, deep, bluish-black. The truss is large and well-formed, with good-sized bells. Unexcelled for pot culture.

**PANAMA**—A lively rose-pink, being an improvement on Lady Derby.

**QUEEN OF THE PINKS**—Brilliant pink. This variety is bound to become one of the leading pinks. Bells well placed on long, finely shaped spike. A real beauty. Should not be forced too early.

**WHITE LADY**—A beautiful pure white variety. Bells are closely arranged on an immense well-formed spike.

## **Special Hyacinth Collection**

For many years this popular collection has given the greatest satisfaction to thousands of flower lovers. Only strictly select, first size bulbs are used, and the varieties are among the choicest in each color. The selection will provide a regular succession of bloom, flowering in the order they are listed here. For 90c we will send postpaid to any address in Canada, one choice bulb of each of the following varieties:

**L'INNOCENCE**—Pure white, very early. Compact spike.

**ADMIRAL COURBET**—Deep violet-blue. Enormous trusses.

**LADY DERBY**—Very fine soft pink with lighter center.

**CITY OF HAARLEM**—Bright golden yellow. One of the best yellows.

**GRAND MAITRE**—Dark lavender-blue. Immense spikes, large bells.

**QUEEN OF THE PINKS**—The best pink in our list.

This collection is sold mainly as an advertising offer. It lets you try out half a dozen of the finest Hyacinths that grow, and realize the meaning of the phrase,—“McDonald's Quality Bulbs.”



90c Post Paid





## McDonald's Superb Fragrant Hyacinths

HYACINTH bulbs of choicest quality have been a leading specialty with us for many years. Our high standard of selection has earned for us an enviable reputation in this line. Advices from our growers assure us that this year's crop will be very choice, well ripened, solid bulbs of finest quality.

Our own trials keep us well informed as to qualities and varieties and our rearranged list offers only sorts which have proven their merit. You may miss one or two old favorites, but be sure they are replaced with something better. The bulbs of different varieties of Hyacinths vary greatly in size, some making a very large bulb and others a small one. Grand Maitre makes one of the largest bulbs and the finest bulbs of King of the Blues or Roi des Belges will look small beside it, but customers can always rely on our bulbs being of finest select size.

**CULTURE IN GLASSES**—Single varieties are best suited for growing in glasses. The bulb should be placed so that the water just touches the base of the bulb. Use rain water if possible, and put a little charcoal in glass to keep the water fresh. Keep in a dark cellar or cupboard for about eight weeks until the bulbs have well rooted, then bring gradually to the full light. Do not allow them to get touched by frost. Only the heaviest and most solid first size bulbs should be used for glass culture.

**CULTURE IN POTS**—One bulb should be used in a 5" pot or 3 in a 7" pot or pan, using any good light porous soil or compost. Get good drainage by placing a piece of broken pot over the drainage hole and about an inch of coarse soil over this, then fill the pot to the depth at which the bulb should rest, then place the bulbs, and fill up around them with more soil. Do not press the bulbs into the soil as the strong root growth often forces them out of the pots. The soil should come within 1-2" of the top of the pots and the bulbs should protrude slightly when the soil has been firmed around them. After watering set the pot away in a cool place from 10 to 12 weeks to make root growth. When brought into light and heat they soon come into bloom. They require plenty of water and should never be allowed to dry out. Manure water is good after the flower spikes appear.

**OUTDOOR CULTURE**—Plant outdoors September to November in any good garden soil, preferably a rich, sandy loam, in a sunny situation. The soil should be well dug to a depth of 12 or 15 inches and enriched if necessary with some well-rotted cow or sheep manure. Plant the bulbs not more than 6 inches apart and about 6 inches deep to the bottom of the bulb. Be sure to get them all the same depth, as if unevenly planted they will bloom irregularly. Do not press the earth too firmly around the bulb. Setting each bulb upon a handful of clean sand will ensure proper drainage. After the ground is frozen they should be covered with three or four inches of leaves, ever green boughs or dry litter. This protection should remain till danger of heavy frosts is past. Do not cover before frost, as this might start premature top growth. Price unless otherwise mentioned Each, 20c; Dozen, \$2.00. Carriage prepaid.

### Pink and Red Shades.

**CARDINAL MANNING**—Bright red with large well formed truss. Extra good forcing variety. Each, 25c; Doz., \$2.50.

**EXCELSIOR**—A very attractive flower of great substance bearing delicate rose bells of unusual size. Each, 25c; Doz. \$2.50.

**GENERAL DE WET**—A pink sport of the popular Grand Maitre and the palest shade in our list. Strong spike and stem with large bells of delicate light pink.

**GERTRUDE**—Brilliant rosy red, tall heavy compact spikes of extra fine flowers. One of the best for indoor or outdoor culture.

**GIGANTEA**—A most distinct light rose Hyacinth. The petals are narrower than most varieties, but the bells cluster so thickly on the fine thick spike that it makes one of the very finest Hyacinths for pot culture.

**LADY DERBY**—No Hyacinth on our list has earned for itself a greater measure of popularity. A strong grower and easy to handle. Fine soft pink bells making up a magnificent spike of large, waxy flowers.

**LA VICTOIRE**—Bright dark pink with medium sized bells closely set, forming a large, heavy and splendidly finished spike; when grown outdoors the color is brilliant red.

**PANAMA**—Can you imagine an improved form of Lady Derby? Here we have it in a superb flower which is the result of years of effort by one of Holland's premier growers. It has the same soft pink as the parent, but richer, larger and more vigorous. Close to the color of the Panama Gladiolus. Each, 25c; Doz., \$2.50.



Grand Maitre.

**QUEEN OF THE PINKS**—One of the newer varieties which in recent years, has come rapidly to the front. Color is bright, deep pink and the splendidly formed and brilliantly colored spike makes it a beauty in every sense of the word. It is a sport from King of the Blues and should not be forced too early. Each, 25c; Doz., \$2.50.

McDONALD'S SPECIAL HYACINTH COLLECTION.—Postpaid to any address in Canada for 90c. See page 12.



## Blue and Violet Shades

**ADMIRAL COURBET**—An enormous truss of deep violet. One of the earliest blues and very easy to force.

**CZAR PETER**—An old favorite which we have grown repeatedly in comparison with new varieties. It makes a splendid spike with large waxy bells. The color is a delightful lavender blue with lighter center making one of the most charming Hyacinths we have grown.

**DR. LIEBER**—Deep porcelain blue, shaded purple. A most pleasing color combination. Extra good spike and a good forcer. Each, 25c; Doz., \$2.50.

**IVANHOE**—A sport of the well known King of the Blues. Dark indigo blue with a white centre. Long, well-filled spike, Each, 25c; Doz., \$2.50.

**KING OF THE BLUES**—An enormous compact, beautifully formed spike of bloom, of deep indigo blue color. One of the best dark blues.

**MENELIK**—Called "the black Hyacinth" and a novelty well worth growing. The truss is large and well formed with good sized bells of glittering, deep, bluish-black. Unexcelled for pot culture. Each, 25c; Doz., \$2.50.

**GRAND MAITRE**—Grand, well formed truss of ultramarine blue with porcelain shadings. Large bells; frequently throws two spikes of bloom.

## White.

**CORREGGIO**—A magnificent pure white, with large bells of wonderful substance and a perfectly formed truss of great size. Each, 25c; Doz., \$2.50.

**HEIN ROOZEN**—Snowy white, splendid big bells and long, loose spike of great elegance. One of the earliest whites for pot culture.

**L'INNOCENCE**—Our most popular white variety and one of the finest. Very early with compact spikes of purest white.

**LA GRANDESSE**—One of the most popular white varieties, having a very large spike and bells of clear, snowy white. Extra fine for forcing.

**WHITE LADY**—A beautiful new variety of snowy whiteness. Bells are unusually large and closely arranged on an immense well formed spike. Each, 25c; Doz., \$2.50.

## Yellow.

**CITY OF HAARLEM**—A beautiful shade of yellow with large, well formed truss. The best yellow we have grown. Each, 25c; Doz., \$2.50.

**MACMAHON**—Rich yellow of good size and substance. Fine for forcing.

**YELLOW HAMMER**—Handsome broad spike of creamy yellow flowers. The most popular of the yellows and very easy to force.



Grape Hyacinth



Queen of the Pinks

Grape Hyacinths are really varieties of Muscari. These dainty little spring flowers are listed on page 20.

The Garden Guide. — Unrivalled as an Amateur Gardener's Handbook. 384 pages, covers every step from spading the ground to preserving the harvest. Paper, \$1.25; cloth, \$1.75, postpaid.

## Select Second Size Hyacinths

Let us emphasize the fact that second size does not mean second quality. We import these specially for bedding or any outdoor culture but they produce splendid blooms when forced indoors, although our first size bulbs are preferred for this purpose. In this size we supply the leading standard sorts, in fine, large bulbs, all strictly true to name and color.

Second Size Hyacinths are priced uniformly at. Each, 10c; Doz., 90c; 100, \$7.00.

### Pink and Red Shades.

**GENERAL DE WET**—Beautiful, soft light pink.  
**GERTRUDE**—Brilliant rosy red. Good bedder.  
**GIGANTEA**—Heavy trusses of light rose bells.  
**ROI DES BELGES**—Deep crimson scarlet.

### Blue and Violet Shades.

**CZAR PETER**—Lavender blue with lighter center.  
**GRANDE MAITRE**—Porcelain blue, Splendid bedder.  
**KING OF THE BLUES**—Deep indigo blue.

### White.

**HEIN ROOZEN**—Snow white, long spike.  
**LA GRANDESSE**—Pure white, large and fine.  
**L'INNOCENCE**—Most popular white for bedding.

### Yellow.

**MACMAHON**—Pure yellow. Good spike.  
**YELLOW HAMMER**—Creamy yellow, large bells and spike.  
**MIXED SECOND SIZE HYACINTHS** — All Colors Mixed. Doz., 80c; 100, \$6.00.



Lady Derby





Gigantea, La Grandesse L'Innocence Gertrude

## Choice Third Size Hyacinths.

This grade of bulbs is considerably larger than those usually sold as "Pan Hyacinths" or "Miniature Hyacinths." Many use them for bedding and under proper conditions, they will do quite well. We recommend them specially for growing in groups in pots or pans. Only one variety should be used in each pot so that all will flower together. Six bulbs in a 7" pot or pan gives a nice effect. Third Size Hyacinths are priced uniformly at Doz., 60c; 100, \$4.50.

### Pink and Red Shades.

**GENERAL DE WET** — Beautiful, soft light pink.  
**GERTRUDE** — Brilliant rosy red. Good bedder.  
**GIGANTEA** — Heavy trusses of light rose bells.  
**ROI DES BELGES** — Deep crimson scarlet.

### Blue and Violet Shades.

**CZAR PETER** — Lavender blue with lighter center.  
**GRAND MAITRE** — Porcelain blue. Splendid bedder.  
**KING OF THE BLUES** — Deep indigo blue.

### White.

**HEIN ROOZEN** — Snow white, long spike.  
**LA GRANDESSE** — Pure white, large and fine.  
**L'INNOCENCE** — Most popular white for bedding.

### Yellow.

**MACMAHON** — Pure yellow. Good spikes.  
**YELLOW HAMMER** — Creamy yellow, large bells and spike.  
**MIXED THIRD SIZE HYACINTHS** — All colors mixed. Doz., 55c; 100, \$4.



## Select French Roman Hyacinths.

This is a favorite class of Hyacinths grown in the South of France. They are specially adapted for forcing in the house, but are not recommended for outdoor culture. They produce graceful, delicately perfumed flowers, and as each bulb produces several spikes of bloom they have become decidedly the most popular of early Hyacinths. They are very easily grown, using 4 bulbs in a 5-inch pot or 6 in a 6-inch pot. They are one of the most satisfactory bulbs for growing in fibre compost and their effect is always chaste and beautiful. If planted before the end of September they can be had in bloom by Christmas, and by careful planting a constant succession of bloom may be kept up all winter.

**FRENCH ROMAN HYACINTHS** — Pure white, extra select bulbs. Doz., \$1.25; 100 \$9.00.

**"SUNROOM" BRAND FIBRE COMPOST** — The growing of bulbs in prepared moss fibre is no longer an experiment. Anyone can succeed by using our "Sunroom" Brand Fibre Compost in which bulbs flower to perfection with the least possible trouble. It gives complete satisfaction and can be used in any bowl or jardiniere which is not of metal, nonporous and has no drainage hole. We sell this prepared compost all ready for use. Price, quart, 10c; 1-2 gal. 15c; gal. 30c; peck, 50c. By express at purchaser's expense.



## McDonald's Hardy Daffodils



King Alfred

**THESE** are probably the most popular spring flowering bulbs we have. Their refined grace and elegant habit have made them favorites wherever gardens are grown. They are perfectly hardy and do well in almost any soil or situation, sun or shade, moist or dry. All conditions seem to suit them although they have a preference for a good, deep soil and a semi-shaded position. Every hardy border should have a number of clumps interspersed through it, while for naturalizing in the grass, under trees, etc., there is nothing finer.

Narcissi are equally desirable for pot culture indoors, using 4 to 6 bulbs in a 6 or 7 inch pan. Give them the same cultural treatment as Hyacinths and they will be found equally satisfactory.

**KING ALFRED**—Yellow Trumpet—Perhaps the most refined and beautiful among the giant sorts, King Alfred is already a favorite. Its round, fleshy petals and beautifully recurved and fluted trumpet are of deep chrome-yellow. A splendid forcing variety of wonderful size and beauty. Height 20 inches, 3 for 50c; Doz., \$1.70; 100, \$12.25.

**MADAME DE GRAAF**—White Trumpet—The finest white for forcing or exhibition. The perianth is large and pure white, while the trumpet opens pale primrose, passing to pure white with elegantly reflexed brim. We recommend this to all who want the very best in Daffodils. Should be planted immediately on receipt. Height 15 inches. Doz., 90c; 100, \$6.75.

**AUTOCRAT**—Incomparabilis—Broad perianth of pale yellow, golden yellow cup widely expanded at the mouth. A splendid border variety and one of the best for forcing. Height 20 inches. Doz., 95c; 100, \$7.00.

**BARBARA HOLMES**—Barrii—A remarkably pretty sport from Barri Conspicuous. Perianth white sometimes barred yellow; cup broad and short, yellow conspicuously edged bright orange. Height 21 inches. Doz., \$1.25; 100, \$9.00.

**CONSPICUOUS**—Barrii—Broad primrose perianth and elegantly expanded crown, conspicuously edged bright orange scarlet. A deliciously fragrant flower of great beauty and refinement. Height 21 inches. Doz., 75c; 100, \$5.50.

**EMPEROR**—Yellow Trumpet—Broad sulphur-yellow perianth with immense golden yellow trumpet. One of the largest in cultivation and a really superb variety which cannot be recommended too highly for both indoor and outdoor culture. Height 20 inches. First quality bulbs. Doz., 50c; 100, \$3.75.

**EMPEROR**—(Double Nosed or Mother Bulbs)—The finest grade of Emperor procurable. Each bulb will give two or more flowers. Doz., 80c; 100, \$6.00.

**EMPRESS**—(White Wings)—Bicolor Trumpet—Large flower of great substance. White perianth and rich golden-yellow trumpet. Good bedder and excellent for forcing. Height 18 inches. Doz., 55c; 100, \$4.00.

**GOLDEN SPUR**—Yellow Trumpet—Very fine early forcing variety both perianth and trumpet being of a rich yellow color; foliage very broad and striking. It is of unusually robust habit and splendid for all garden purposes or for pots. Early. Height 18 inches. Doz., 60c; 100, \$4.50.

**GOLDEN SPUR**—Double Nosed or Mother Bulbs—Extra size bulbs giving two or more flowers. Doz., 95c; 100, \$7.00.



Van Sion

**VAN WAVEREN'S GIANT**—Bicolor Trumpet—A very large Daffodil of vigorous habit, growing seventeen inches high. The perianth is primrose and the trumpet bright yellow with large open mouth, flanged at brim, good forcer. Each, 30c; Doz., \$3.25.

**VICTORIA**—Bicolor Trumpet—A fine, large Narcissus of good substance with broad, white perianth and large yellow trumpet beautifully frilled at mouth. The flower forces very freely and is one of the best and showiest in the garden. Height 16 inches. Doz., 55c; 100, \$4.00.

**VICTORIA**—(Double Nosed or Mother Bulbs)—These are the largest and finest bulbs obtainable, and each bulb gives two or more flowers. Doz., \$1.00; 100, \$7.50.



King George

**OLYMPIA**—Yellow Trumpet—Large straight trumpet of deep yellow frilled at brim, twisted perianth of primrose yellow. An enormous flower that attracts attention wherever seen. Splendid for the garden and magnificent for forcing. Height 15 inches. Each, 30c; Doz., \$3.25.

**PRINCEPS**—Yellow Trumpet—Primrose perianth with large yellow trumpet. Sometimes called the "Giant Irish Daffodil." Good forcer and splendid for bedding. Height 16 inches. Doz., 40c; 100, \$3.00.

**SEAGULL**—Barrii—Pure white perianth of great substance, lemon-yellow cup with dainty edging of bright orange. An exquisite flower fine for outdoor and very easy to force. Height 17 inches. Doz., \$1.10; 100, \$8.50.

**SIR WATKIN**—Incomparabilis—(Giant Welsh Chalice Flower)—A giant among the medium crowned Daffodils. Perianth primrose-yellow, large and well-formed yellow cup, tinged orange. A grand flower of wonderful substance for garden culture or pots, this variety frequently has flowers five inches across, and its splendid proportions and ease of culture cause it to be one of the most popular varieties. Height 21 inches. Doz., 60c; 100, \$4.50.

**SPRING GLORY**—(Bicolor Trumpet)—Long trumpet of deep golden yellow beautifully reflexed at mouth. Clear white perianth with finely formed, long, white petals. One of the finest new Daffodils, very large and a vigorous grower. Good for pots or outdoors. Height 16 inches. 3 for 50c; Doz., \$1.70; 100, \$12.25.

**WHITE LADY**—Leedsii.—Perianth creamy white with broad, well formed petals. The small central cup is pale canary, beautifully crinkled. A dainty specimen of the new Daffodils. Free blooming and well suited to outdoor growing and an exquisite variety for pots or as a cut flower. Height 20 inches. Doz., 95c; 100, \$7.00.

**SINGLE VARIETIES MIXED**—This splendid mixture contains many fine varieties in addition to those listed here. They are extensively used for planting in unused corners where they may remain undisturbed for years or for naturalizing in grass or among shrubbery. They are very hardy and in suitable locations the clumps will multiply and give larger and finer results each year. Doz., 45c; 100, \$3.25.

### Poets Narcissus (Narcissus Poeticus)

This class of Narcissus, instead of having a trumpet or crown, has a small, wide-mouthed cup. They are very hardy, and are used in large numbers for naturalizing, their graceful elegance and delightful fragrance making them highly prized for this purpose. Once planted they take care of themselves as they are perfectly hardy, and in suitable locations will multiply rapidly. They are quite easily grown in pots, but should not be forced till March.

**KING GEORGE**—Poeticus.—A beautiful novelty which can be forced earlier than any other of this class. Flowers are pure waxy white with yellow cup margined deep orange red. Grand, strong stems for cutting, flowers large and very substantial. Height 18 inches. Doz., \$1.10; 100, \$8.00.

**ORNATUS**—Poeticus.—A splendid variety for massing and naturalizing purposes. Perianth pure white, cup margined bright crimson. Good forcer. Height 14 inches. Doz., 50c; 100, \$3.75.



Sir Watkin

### Double Narcissi

These Double Daffodils are among the most valuable material we have for naturalizing purposes or for clumps in the perennial border. They are all very hardy and will increase in number and splendor each year. They are easy to force and always do well, Van Sion being the favorite variety for this purpose.

**DOUBLE VAN SION**—Double Trumpet.—Deep golden-yellow throughout. Splendid for planting in the border or among evergreens or shrubs, or any position in the garden. A good variety for forcing and one of the easiest varieties to grow. Height 13 inches. Doz., 60c; 100, \$4.50.

**DOUBLE VAN SION**—Double Nosed or Mother Bulbs.—This grade of Double Van Sion is selected specially for us from the very largest double nosed bulbs, and are what is termed "Top-roots". Doz., 95c; 100, \$7.00.

**INCOMPARABLE**—Double Incomparabilis.—Rich primrose yellow throughout. A fine vigorous flower on a strong stem. Good forcer and splendid for border planting. Height 14 inches. Doz., 65c; 100, \$5.00.

**ORANGE PHOENIX**—Double Incomparabilis.—White perianth with rich, reddish orange center. Large double rose shaped flower. Good bedder and forcer. Height 17 inches. Doz., 60c; 100, \$4.50.

**SULPHUR PHOENIX**—Double Incomparabilis.—Large perianth of creamy white with sulphur-yellow center. Height 18 inches. Doz., 60c; 100, \$4.50.

**DOUBLE VARIETIES MIXED**—Contains all the best doubles, including those listed here. Doz., 55c; 100, \$4.25.



King Alfred







**Poetaz Narcissi.**

These are new hybrids between Poeticus Ornatus and the Polyanthus Narcissus. By crossing these two classes the growers have succeeded in obtaining a perfectly hardy strain of bunch-flowered Narcissi. The individual flowers have all more or less the Poeticus shape and size, and besides being hardy they have inherited the free flowering habit of the Paper-whites. They are valuable for any outdoor culture and force very easily.

**ELVIRA—Poetaz—**Fine large flowers usually borne in clusters of three or four on a stem with two or three stems to each bulb. They are pure white with yellow cup and very free flowering. Their substantial flowers, long stems and distinct fragrance render them invaluable for cutting. Height 18 inches. Doz., 70c; 100, \$5.25.

**JAUNE A MERVEILLE—Poetaz—**This is the largest of the yellow Poetaz varieties, and usually bears 6 to 8 flowers on a stem. Perianth is rich golden yellow, with deep orange eye. Flower is broad and well expanded. One of the most unique and valuable novelties we have had for some time. Height 16 inches. Doz., 70c; 100, \$5.25.

**KLONDYKE—Poetaz—**Perianth even tone of pure bright yellow, with golden yellow eye. A new variety of remarkable size and vigor giving 6 to 8 flowers on a stem. Height 18 inches. Doz., \$1.75; 100, \$12.50.

**Fragrant Jonquils**

All the Jonquils are prized for their graceful, sweet-scented golden blossoms and their simple cultural requirements. They are perfectly hardy in borders or naturalized and do very well in pots. These are a very distinct type of the Narcissus family bearing smaller flowers in clusters of four or five on a stem with slender, rush-like foliage. Customers sometimes ask for Jonquils when the Trumpet Daffodils are desired but if the desired sorts are ordered by variety names there should be no cause for mistakes.

**SINGLE** Very dainty pure golden yellow flowers of exquisite beauty and fragrance. 35c; 100, \$2.75.

**DOUBLE—**Very double rich golden yellow flowers of exquisite beauty and fragrance. Doz., 35c; 100, \$2.75.

**CAMPERNELLE RUGULOSUS—**Large, open flower of deep golden yellow. Larger and finer than the old Campernelles. Doz., 35c; 100, \$2.75.



Poeticus Ornatus



Emperor



Narcissus Poetaz Elvira

**MILADY'S HOUSE PLANTS, By F. E. Palmer—**

The care of plants in the home made simple, and success assured to all who follow the practical directions of the Veteran Grower, who, after much urging, at last consented to give the public the benefit of his life-long observations and experience.

Any woman with the aid of this book may have a fine collection of plants to add cheer and beauty to the environments of the home during the Fall and Winter months, then in Spring and Summer to lend their beauty to the luxuriant mass of outdoor planting. The chapter on "Sun Parlors" is in itself worth many times the price of the book. Profusely illustrated with about 100 instructive pictures, the majority of them taken exclusively for this book. Price, paper, 75c; cloth, \$1.25.





TRADE  
MARK



Freesia.

## Freesias

Freesias are among the most beautiful and popular winter forcing bulbs, possessing a peculiarly charming grace of form and purity of color that is specially pleasing. Their delicious fragrance is considered by many to be the sweetest perfume of all the winter blossoms. As cut flowers they are particularly valuable as they last a long time in water and fill the air with their delicate odor. They are readily forced, but should be put directly in the light when potted, as a cool position and plenty of light keeps them short and sturdy. Water sparingly at first and keep them cool. Even when potted early they rarely flower before the middle of December.

**REFRACTA ALBA**—Pure white flowers with yellow blotched throat. Delightfully fragrant. Mammoth Bulbs. Doz., 40c; 100, \$3.00.

**IMPROVED PURITY**—This is a new Freesia and a decided improvement on the well known Refracta Alba. The flowers are larger and finer and the plant more vigorous and robust. Mammoth bulbs. Doz., 40c; 100, \$3.00.

## Chinese Sacred Lily

This is not a true Lily, being really a variety of the Polyanthus Narcissus, but it is known by the Chinese as "Shui Sin Far," or Flower of the Gods. The flowers grow in clusters of waxy white blossoms with yellow centre; and have a delicious fragrance.

The true China grown variety is much superior to home-grown bulbs. The Chinese method of growing them is very interesting. Simply place them in shallow bowls of water with sufficient pebbles around them to keep them from toppling over while in bloom. The water must not quite cover the bulbs and should be changed frequently. When planted, keep them in a cool, dark cellar or closet for a few weeks to induce root growth before the tops start, then place in a sunny position. If planted by Nov. 1st they will bloom for Christmas.

**CHINESE GROWN BULBS**—Large, each, 20c; 6 for \$1.00; Mammoth Bulbs, each, 30c; 4 for \$1.00.

## Special Notice.

Latest advice from our French growers report failures of the bulb crop in France where the finest bulbs are produced. We expect delivery of about one fourth of our requirements at very high prices.

We recommend early orders for Paperwhites, Grand Soleil d'Or and Roman Hyacinths as they will undoubtedly be short in supply.



Paper White Narcissi

## Polyanthus Narcissi. (*Narcissus Tazetta*)

These bulbs are grown for us in the South of France and are not hardy. For any indoor purpose they are ideal and quite the easiest of all bulbs to force. They produce large trusses of bloom and are quite fragrant. Grand Soleil d'Or is not so well known as the popular Paper-white yet we consider it the finest of all bulbs for Christmas bloom.

**GRAND SOLEIL D'OR**—Tazetta—Flowers rich golden yellow with reddish orange cup. Blooms as easily and freely as the Paper-white but the individual flowers are slightly larger. Doz., \$1.20; 100, \$10.00.

**GIANT PAPERWHITE GRANDI-FLORA**—Tazetta This large flowering strain is such an improvement over the ordinary Paper White that we have discontinued the sale of the latter. They can be had in bloom from Christmas till Easter. Plant bulbs as early as possible and store in a cool cellar till well rooted. By bringing into the light during early November they may be had in bloom for Christmas. They give excellent results when grown in moss fibre, and they can be grown in bowls with pebbles and water in the same manner as the Chinese Sacred Lily. Doz., 90c; 100, \$6.75.



Chinese Sacred Lily



## Miscellaneous Bulbs

### Allium

One of the easiest plants to grow indoors, using a dozen bulbs in a seven inch pan.

**NEAPOLITANUM**—Perfectly hardy bulbous plants bearing large umbels of pure white flowers on long stout stems. Flowers are fine for cutting and very lasting. Very dainty and sure to bloom. Doz., 40c.

### Calla

Though not a true Lily these are commonly called Calla Lily or Lily of the Nile. They like a stiff, clayey soil with a small quantity of shredded cow manure. Roots should be set horizontally with the bud protruding just above the surface. When in growing condition, warm water given several times a week will increase the number of blooms. Not hardy.

**AETHIOPICA**—The favorite white Calla. Beautiful deep green foliage, large white flower with yellow spathe. Select roots. Each, 25c; Doz., \$2.25.

**ELLIOTIANA**—This great new yellow Calla is of the highest decorative value on account of its beautiful green foliage spotted creamy white and its rich, golden yellow, lily like blooms which often measure four to five inches across the mouth. Select roots. Each, 50c; Doz., \$5.00.

### Scillas

These are among the earliest of the spring flowering bulbs, showing their spikes of dainty blue blossoms almost before the snow has gone. In combination with Snowdrops or Crocus the contrast is charming and very effective. They should always be planted in large groups and can be left undisturbed for years. They do well in pots and flower early, a dozen bulbs in a seven inch pan makes a pretty effect.

**SIBIRICA**—(Blue Squill) — Bright blue flowers of bell-like shape, three to four inches high. Doz., 40c; 100, \$3.00.

### Snowdrops (Galanthus)

The dainty Snowdrops are the first flowers of spring and general favorites with everyone as they possess a modest beauty that is very charming. Fine effects are obtained by using them in combination with Scillas or Chionodoxas. The bulbs should be set very close together in unfertilized soil.

They are easily flowered in pots during the winter.

**SINGLE**—Pure white. Doz., 25c; 100, \$1.75

**DOUBLE**—Pure white. Doz., 30c; 100, \$2.25.

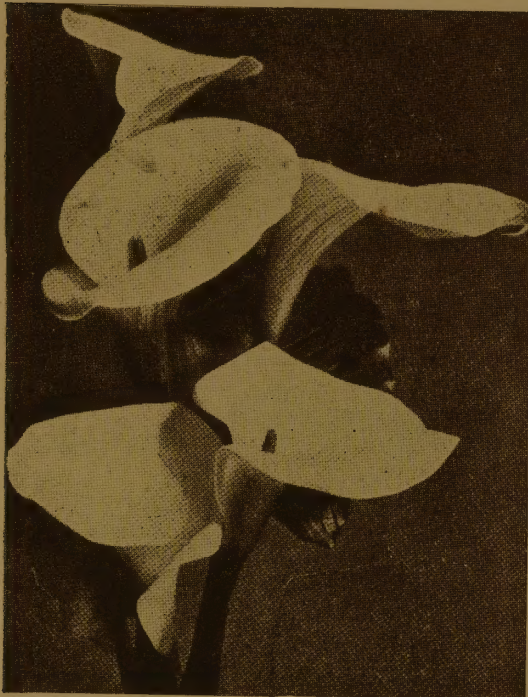
### Gladioli (Winter Flowering)

These fine dwarf varieties are ideal for pot culture indoors. Though not well known they are quite easy to grow and among the most satisfactory flowers we have for winter bloom. They should be put directly in the light when planted and treated like Freesias. Their graceful spikes and delicate colors make them valuable for cutting. Doz., 40c; 100, \$3.00.

**ACKERMANNI**—A delicate salmon pink with orange shadings.

**BLUSHING BRIDE**—One of the daintiest varieties ever grown. Rosy white with carmine blotch.

**PEACH BLOSSOM** — A beautiful peach blossom pink of refined form.



Calla Aethiopica

### Crocuses

One of the earliest of spring bulbs, the Crocus is a universal favorite, and it is no unusual sight to see the Crocus in bloom while the ground is still partly covered with snow. They are neat, dwarf and compact in growth, and their charming blooms are of many bright colors. They are very inexpensive, and their first cost is the only cost, as they are perfectly hardy and bloom freely year after year with no further attention. They do well when planted in large groups on the lawn, scattering the bulbs around freely and planting them where they fall. The best effect is obtained by avoiding any attempt at regular design, but have the group much longer than wide. Plant the bulbs two or three inches deep. They also do well indoors, using 6 or 8 bulbs of the named varieties in a pot or pan and cover one inch deep.

**GIANT YELLOW**—This is the favorite yellow Crocus for forcing or outdoors. Mammoth bulbs. Doz., 45c; 100, \$3.50.

**GIANT YELLOW**—Large bulbs. Doz., 35c; 100, \$2.75.

**KING OF THE WHITES**—Very fine white of great size and substance. Doz., 45c; 100, \$3.50.

**MADAME MELBA**—A new early flowering variety of delicate beauty. Rich violet daintily striped on a white ground with yellow anthers. Large flowers. Doz., 30c; 100, \$2.50.

**PURPUREA GRANDIFLORA**—A dark purple which is unexcelled for forcing and combines most attractively with the yellow varieties. Doz., 30c; 100, \$2.50.

**WHITE LADY**—Large snow white cup shaped flower with anthers of deep orange. Doz., 30c; 100, \$2.50.

**ALL COLORS MIXED**—A high grade mixture containing all the best colors in Crocus. We do not recommend the use of mixed bulbs for pot culture but they give splendid results in the border or naturalized. Doz., 20c; 100, \$1.25.

### Ixias

Beautiful little winter flowering bulbs, with long slender, graceful spikes of bloom. These new named varieties are gorgeously beautiful, as the colors are so rich and varied, the centre always differing in color from the rest of the flower.

**FINE MIXTURE**—All colors. Doz., 25c; 100, \$1.75.

### Grape and Feathered Hyacinths

Botanically these are classed as Muscari but garden lovers always call them Grape Hyacinths. They are perfectly hardy, thrive anywhere and are among the most satisfactory of early spring flowering bulbs. They do well planted in clumps in the perennial border and are equally fine for flowering in the house, using a dozen bulbs in a seven inch pan. If treated like regular Hyacinths they will flower in February. The following varieties at Doz., 30c; 100, \$2.50.

**HEAVENLY BLUE** (Muscari Botryoides)—Bright blue. The best and largest of the Grape Hyacinths. The bells are large and form a nice little truss. Fine for flowering in pots and for outside work.

**WHITE GRAPE**—(Muscari Botryoides Album) — Pure white flowers, freely borne on dainty spikes.

**FEATHERED HYACINTHS**—(Muscari Plumosa) — The long spikes have a perfect pyramidal shape and a real violet blue color. They are a splendid ornament for every garden and we strongly recommend them for indoor purposes.

### Chionodoxas

Beautiful, early flowering little bulbous plants which combine effectively with Snowdrops or Scillas. They do well in any good garden soil and, once planted, require no further care but increase rapidly and soon form great clumps. Perfectly hardy. Plant them two inches deep. Doz., 25c;



Crocuses naturalized in the grass.



## Hardy Perennial Phlox

Hardy Phloxes are indispensable in the garden during Summer and Fall. No other hardy plants compare with them in brightening up the garden at a period when there is little else to bloom that can be depended upon. The increased use of hardy Phloxes for beautifying the home grounds, has led to a more intimate appreciation of their usefulness for indoor decoration. Practically all shades of color from purest white to deepest purple are available, and these delicately scented blooms will furnish abundant decorative material for a long period of time. Phloxes are hardy, easily grown, and not at all particular as to soil. They should be planted in a fairly open situation, and for best results, should be well manured. During very hot, dry weather, a good soaking of water will benefit them greatly. They may be planted from April to early June, and from early to late Fall.

PRICES—3 for 50c; Doz., \$1.75. postpaid.

**COQUELICOT**—Vivid orange-scarlet with crimson eye. Very showy.

**ECLAIREUR**—An old favorite. Bright rosy carmine, cheerful face, clearly defined crimson eye, surrounded with light halo.

**ELIZABETH CAMPBELL**—Light salmon-rose centre, enormous trusses. Individual flowers very large. One of the most beautiful.

**MADAME PAUL DUTRIE**—Very soft, delicate pink. Extra fine.

**MISS LINGARD**—White, with faint lilac eye. An early variety; fine for massing.

**PANTHEON**—Cerise-salmon with white centre.

**RICHARD WALLACE**—Pure white with maroon centre. Tall grower. An extra fine sort.

**RYNSTROOM**—Beautiful clear pink. Immense trusses. Flowers very large.

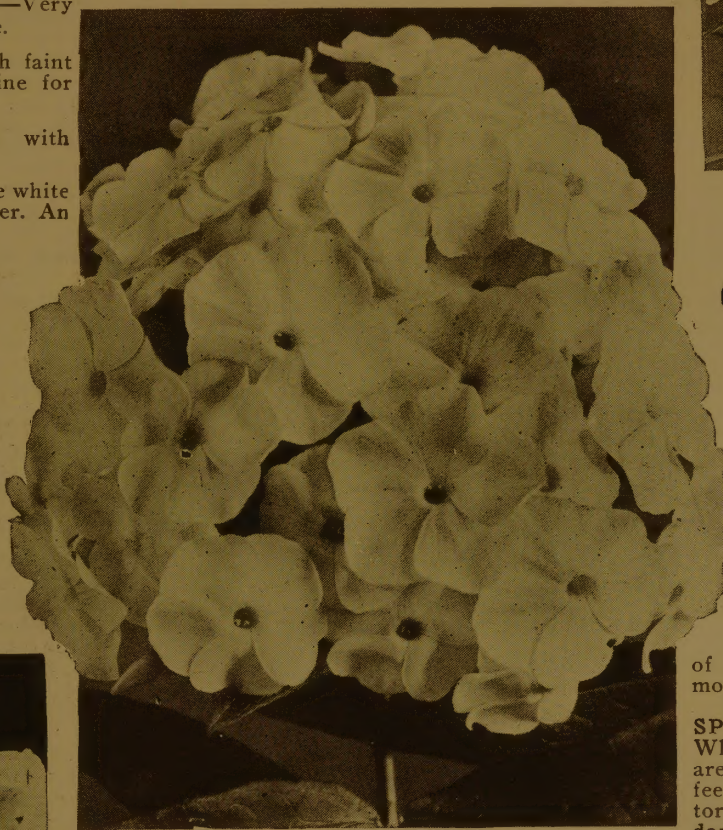
**SELMA**—Beautiful light pink with cherry-red eye.

**WONDER**—Lilac-white flowers with red eye. Large trusses.

**SUPERB MIXED PHLOXES**—This mixture is made from choice varieties, carefully blended to give a wide range of color. Price, 3 for 40c; doz., \$1.25; per 100, \$9.00.



Lilium Auratum.



Hardy Phlox



Lilium Speciosum Magnificum

## Garden Lilies

Lilies in their many forms are among the noblest and most beautiful of all bulbous plants. They are especially valuable for planting in the herbaceous border. They thrive best in a position where they will get the benefit of the shade of surrounding plants. Light well-drained soil suits them best—some leaf-mould may be used to advantage. Bulbs should be planted about three times their own depth, and a small quantity of sand placed at the base of each. When hard frost sets in, protect with a light covering of leaves or litter. Lilies make splendid pot plants. Soil should consist of 3 parts friable loam, and one part leaf mould.

(Prices quoted are delivered.)

**SPECIOSUM RUBRUM MAGNIFICUM**—White, shaded rose, spotted crimson. Flowers are of large size and striking appearance. 2 feet. Profuse bloomer. Beautiful and satisfactory. Delivery November to May. Each, 35c; doz., \$3.50.

**TIGRINUM SPLENDENS** (Tiger Lily) Rich orange-scarlet with black spots. 3 to 4 feet. Each, 20c; dozen, \$2.00.

**TIGRINUM FLORE PLENO** (Double Tiger Lily)—Orange-red, black spots. The only desirable double flowering Lily in cultivation. Each, 25c; dozen, \$2.50.

**LILIUM LONGIFLORUM GIGANTEUM** (White Trumpet Lily)—One of the most beautiful and valuable lilies we have for indoor growing. When planted in the garden in Spring, will bloom profusely in late summer. This is the best of the so-called Easter Lilies. Bears immense sweetly scented trumpet-shaped waxy-white flowers of great substance. Delivery, October to April 1 to 3 feet. Each, 25c; dozen, \$2.50.

**HENRYI**—Same form and appearance as the Speciosums, but bright orange-yellow. One of the best lilies for general culture. Hardy, robust, and long-lived. Delivery November to May. Each, 60c; dozen, \$6.

**CANDIDUM** (Madonna Lily) — Pure white, sweet-scented. The favorite lily of the old-fashioned garden. Height 2 to 4 feet. Plant September to November for fine crop following June. Each 25c; dozen \$2.50.

**AURATUM** (Gold-banded Lily) — The grandest of all hardy lilies. Flower white, spotted maroon, with a band of bright yellow through the centre of each petal. Height 2 to 5 feet. (Delivery, November to May.) Large bulbs. Each. 35c; doz., \$3.50.

**SPECIOSUM ALBUM.**—The Speciosums are among the most important Japanese Lilies. Very handsome. Easily grown. The variety here offered has beautiful pure white flowers of largest size. Petals beautifully recurved. Fragrant. 2 feet. Delivery November to May. Each, 35c; dozen, \$3.50



# Superb Tall Bearded Irises

The refined beauty and delicate fragrance of these "Orchids of the Garden" never fails to attract attention. Recent developments in the improvement of these, the most delicately colored of hardy garden flowers, have been truly remarkable, and a real treat is in store for those who come to know the modern Iris. Their wide range of coloring includes whites, mauves, blues, purples, reds, rich yellows, and beautiful bronzes, in almost every conceivable combination.

During recent years, we have devoted considerable attention to the growing of fine Iris. Our collection is very complete,—the best of the standard sorts as well as many of the newer introductions being carried.

There has just been published by the American Iris Society (of which we are members), the results of a vote by a jury composed of twenty-three foremost Iris experts,—the object being to score varieties according to their merit. The results may be summed up as follows,—based on a possible of 10,—under 6.0 poor, 6.0 to 8.0 good to very good, 8.5 fine, 9.0 extra fine, over 9.0 almost perfect. We have eliminated from our list, all varieties scoring under 6.0, and replaced them with newer sorts decidedly superior, thereby offering our customers a thoroughly up-to-date selection of Iris. Ratings follow variety, introducer, and year.

**GUARANTEE**—Iris carry the same guarantee as do our Peonies.

In descriptions, 'S' refers to the three upright standards; 'F' to falls or drooping petals.

Prices unless otherwise noted, 3 for 50c, dozen, \$1.75. All Irises are delivered prepaid.

**7010. ALBERT VICTOR.** 7.9—'S' soft blue. 'F' beautiful lavender. Large and fine. 40". Each, 30c; 3 for 75c.

**7015. ALCAZAR.** (Vilm. 1910) 8.9—A giant in flower and growth. Color unique and of great richness. 'S' light bluish violet. 'F' deep purple with a bronze-veined throat. One of the most magnificent and striking. 36". Each, 75c; 3 for \$1.85

**7020. AMAS.** Syn. *Macrantha*. 7.8—'S' rich blue. 'F' deep purple-violet. Flowers very large, of fine texture and great substance. 24". Each 40c; 3 for \$1.00

**7025. AMBASSADEUR.** (Vilm. 1920) 9.4—'S' reddish violet. 'F' broad and deep velvety-purple. Large blooms of the Dominion class. Beard yellow. An exceptionally fine variety and superior to anything in its color. Award of merit, Royal Horticultural Society, June, 1921. Each, \$4.00; 3 for \$10.

**7030. AMBIGU** (Vilm 1916) 8.3—Novel coloring, flowers well formed. 'S' bright smoky red. 'F' velvety brownish red with yellow beard. Semi-dwarf. 23". Large flower. Each, \$1.00; 3 for \$2.50.

**7035. ARCHEVEQUE** (Vilm 1911) 8.3—One of the most beautiful irises in our collection. 'S' deep purple-velvet. 'F' rich deep velvety violet. An extremely rich piece of color. Each, \$1.00; 3 for \$2.50.

**7050. BALLARINE** (Vilm 1920) 9.4—Immense flowers. 'S' light violet-blue, frilled at edges. 'F' slightly darker. A very fine variety. Each, \$5.00; 3 for \$12.50.

**7065. BRIDESMAID** (Salter 1859) 6.0—'S' white, shaded silvery lilac. 'F' reticulated at the base and slightly frilled soft lilac. Very handsome. 29". Each, 60c; 3 for \$1.50.

**7080. CANDELABRA** (Vilm 1911) 6.6—'S' long, erect, bright violet with both lighter and darker shadings. 'F' rich, dusky violet. Richly colored. 33". Each, 30c; 3 for 75c

**7085. CAPRICE** (Vilm. 1904) 7.5—'S' rosy red. 'F' deep rosy red. Yellow beard. Very handsome. 24". Each, 30c; 3 for 75c

**7090. CHERUBIM** (Vilm. 1911) 6.8—Semi-early. Immense flowers with all divisions very broad. 'S' pinkish heliotrope on white giving a general effect of pale pinkish heliotrope with a golden sheen at base. 'F' white tinted and broadly veined deeper pinkish heliotrope. Base deeply veined vinous mauve. Each, 50c; 3 for \$1.25.

**7095. CLIO** 7.3—'S' Lavender passing to white. 'F' rich velvety violet. Each, 30c; 3 for 75c

**7100 CLUNY** (Vilm 1920) 8.6—Early Flowers very large. 'S' of delicate lilac blue, 'F' shaded deeper. Very distinct and beautiful. Each, \$2.00; 3 for \$5.00.

## Culture.

No flowers are more easily grown. Plant shallow in any good well-drained garden soil. If soil is deficient in lime, a small quantity should be added to sweeten the soil and prevent rot. Irises succeed in moderately moist ground, but enjoy getting thoroughly dry after the flowering period. They reach their dormant state during August and September, after which they begin to make root growth.

Planting may be done either in Spring or Fall,—the earlier the better in Spring. Planting may safely be done through the Fall until the ground freezes.

All Irises we offer, endure our severe winters at Ottawa, although we usually cover plants lightly with litter or loose straw where late planting is necessary. Japanese varieties should receive some protection.

**7115. CREPUSCLE** (V. Verdier, 1863) 6.0—Large violet-blue flowers, lightly marked at base. Each, 30c; 3 for 75c.

**7130. DEJAZET** (Vilm. 1914) 8.3—Late Enormous flowers with broad divisions. 'S' bronze-rose with golden sheen; 'F' bright reddish violet with brownish shadings. Beard yellow; style-arms brownish yellow. Haft veined brown. One of the most beautiful. Each, \$2.00; 3 for \$5.00.

**7145. DR. BERNICE** 7.4—'S' coppery bronze. 'F' velvety crimson. Very large and beautiful. 24". Each, 25c; 3 for 60c.

**7165. EDOUARD MICHEL.** (Verdier 1904) 8.6—A grand iris of imposing appearance. Tall spikes with large flowers finely held and of splendid shape; the standards broad and frilled; Falls thick, broad, and fluted. Self-colored flowers of a distinct claret-red,—close in color to Caprice. Rather poor grower. Each, \$2.00; 3 for \$5.00.

**7175. ELDORADO,** (Vilm. 1910) 7.8—Very beautiful and pleasing. 'S' Yellowish bronze, shaded with heliotrope. 'F' bright purple, shaded bronze. Unique coloring. Each, 50c; 3 for \$1.25.

**7190. FLAVESCENS.** (De Candolle) 7.0—A delicate shade of soft yellow; large sweet-scented flowers; fine for massing, and valued for cutting in early May and June. 30".

**7195. FLORENTINA.** 7.6—Flowers, white, faintly shaded with the palest of grey. Exquisitely beautiful. 24". Fine for cutting.

**7215. GRACCHUS.** (Ware 1884) 6.1—Early. 'S' Primrose. 'F' veined and shaded purple.

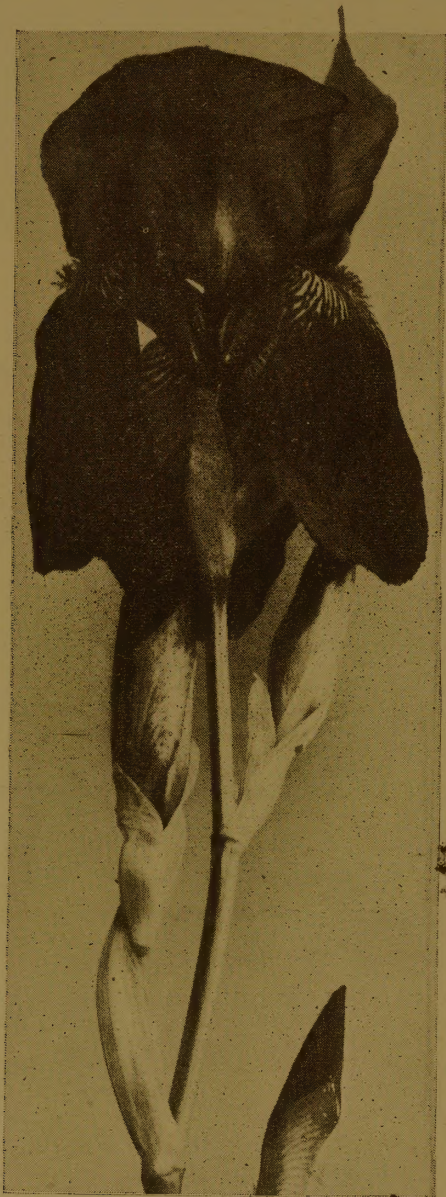
**7220. GREVIN.** (Vilm. 1920) 8.5—Flowers large. 'S' violet and yellow. 'F' deep violet with yellow veining. Styles yellow. 26". Each, \$1.50; 3 for \$3.75.

**7235. HER MAJESTY.** (Perry 1903) 7.3—'S' lovely rose pink. 'F' bright crimson, tinged a darker shade. The blending, tints, and coloring are rare for an Iris.

**7250. IRIS KING.** (G. & K. 1907). 7.9—A cross between *Pallida Dalmatica* and *Maori King*. Very large, massive flowers. 'S' lemon yellow; 'F' very broad, rich, and bright velvety crimson-maroon, margined with yellow. Each, 40c; 3 for \$1.00.

**7245. INNOCENZA.** (Lemon 1854) 7.1—'S' and 'F' Ivory-white—crest rich golden. Very delicate and beautiful. Each, 30c; 3 for 75c.

**7251. ISOLENE** (Vilm. 1904) 8.6—Most unusual and strangely attractive, this flower must be seen to be appreciated as it is impossible to adequately describe its peculiar quality of coloring. Standards of dull, clouded pinkish-lilac. Falls old rose, suffused purplish, and shot with coppery gleams that seem to converge in the distinct "old-gold" beard. Blooms are large, well formed, and of great substance, with long drooping Falls, and the plant is tall and vigorous in habit with leaves of unusual size. Each, 75c; 3 for \$1.85.



Moliere.

**BEARDED IRISES IN MIXTURE**—This superb mixture is made wholly from named sorts, of which we have surplus stocks, and can be depended upon to give entire satisfaction. 3 for 40c; doz., \$1.25; per 100, \$9.00.



7260. JACQUESIANA (Lemon 1840) 8.0—Coppery-crimson. 'F' maroon. Very distinct.

7265. JEANNE D'ARC. (Verdier 1907). 7.8—A lovely Iris. Semi-early. 'S' very large, ruffled, spreading after the manner of the Japanese; white border, very delicately pencilled bright lilac. 'F' pure white, bordered lilac at base. 31". Each 30c; 3 for 75c.

7280. KHARPOT. (Syn. Italia). 7.4—'S' violet. 'F' deep purple-violet, beard white. A large flower with long Falls. Very fine. 30". Each, 30c; 3 for 75c.

7285. LA NEIGE (Verdier 1912) 8.3—A pure white Innocenza without the throat veinings of that variety. Clear yellow beard. Each, \$1.00; 3 for \$2.50.

7286. LOHENGRIN (G. & K. 1910) 8.2—Large flowers. A real beauty. 'S' and 'F' uniform soft shade of cattleya-rose. Each, 30c; 3 for 75c.

7287. LENT A. WILLIAMSON, (Williamson 1918) 9.6—Standards very broad, soft campanula violet. Falls very large velvety royal purple. Golden beard. Extra large flower. Strong grower. Magnificent. Awarded highest rating of any variety by American Iris Society. Each, \$5.00.

7300. MME. CHEREAU. (Lemon 1844) 7.4—'S' white, edged blue. 'F' large, frilled blue. One of the best. 32".

7310. MAGNIFICA. (Vilm. 1920) 9.1—Strong grower. 'S' clear violet-blue. 'F' very long reddish violet, striped brown at base. Yellow beard. Very fragrant. This plant is exceptionally striking owing to the grandeur of its flowers which are probably the largest of all Iris. Each, \$4.00; 3 for \$10.00

7311. MAORI KING. (Ware, 1890) 6.1—'S' rich golden yellow. 'F' velvety crimson, margined gold. 18".

7315. MEDRANO. (Vilm. 1920) 8.5—Very large flowers. 'S' rich smoky red. 'F' violet red with heavy stripe at edge. Beard yellow. Very fine combination of colors. 24". Each, \$2.00; 3 for \$5.00.

7325. MOLIERE. (Vilm. 1920) 8.5—Early. Large flower. 'S' rich violet. 'F' deeper violet of rich velvety texture. Brownish veins at haft. 27". Each, \$2.00; 3 for \$5.

7335. MONSIGNOR (Vilm. 1907) 8.4—Quite distinct; a very beautiful piece of rich coloring. 'S' violet. 'F' a ground work of the same shade but richly overlaid and veined (except for a broad margin), with deep purple. Each, 50c; 3 for \$1.25

7340. MRS. GEORGE DARWIN (Foster, 1897) 6.0—A lovely hybrid. 'S' white; the upper part of the Fall reticulated gold and violet. Orange beard. 24".

7344. MRS. WALTER BREWSTER. (Vilm.) (New). —This superb new hybrid Iris was recently awarded a certificate of merit by the French National Horticultural Society. The plant is a vigorous grower and extremely floriferous, each stiff branching stem oftentimes bearing as many as six lovely blooms. Flowers are of immense size, the standards being of an exquisite shade of lavender-blue. Falls, aniline-blue, the base being veined with brown on a white ground. Height 28". There being but very few plants in existence, of this fine novelty, prices are necessarily high. Each, \$10.00.

7345. MRS. NEUBRONNER. (Ware, 1898) 6.8—Semi-early. A beautiful deep golden. Self color. Very lovely, fine, and rich. 24".

7346. NIBELUNGEN (G. & K. 1910) 7.3—'S' fawn. 'F' violet purple on bronze. After Jacquesiana. A magnificent flower. Each, 60c; 3 for \$1.50

7350. NUEE D'ORAGE (Syn. Storm Cloud) (Verdier 1905) 7.6—'S' slaty gray. 'F' bronze and purple. Vigorous Flowers very large. 24". Each, \$1.00; 3 for \$2.50.

7360. OPERA (Vilm. 1916) 8.7—Vigorous plant, free-flowering. 30". Beautiful habit. Flowers large. 'F' purple violet. Very deep and velvety. Yellow beard. 'S' full bright reddish lilac. This variety always attracts favorable attention. Each, \$2.00; 3 for \$5.00.

7365. OSSIAN. 6.3—'S' pale yellow. 'F' claret red. 24".

7370. PALLIDA DALMATICA. 8.8—An old variety but still unsurpassed in its class. 'S' lavender; 'F' clear deep lavender. 40". Each, 30c; 3 for 75c.

7380. SPECIOSA. 6.3—The great purple or turkey flag. 'S' dark lavender shaded lighter. 'F' shaded light purple. Quite tall. Each, 30c; 3 for 75c

7385. PARC de NEUILLY (Verdier, 1910) 8.1—Semi-early. Large flowers of perfect form. Self-colored deep blue-violet. Very clear, pure, and beautiful. Magnificent spike. Each, 30c; 3 for 75c

7390. PARISIANA. (Vilm. 1911) 7.9—A large flower of good and unusual coloring. 'S' white ground, dotted and shaded lilac-purple. 'F' white frilled at the edge with lilac. 30". Each, 60c; 3 for \$1.50.

7395. PAULINE (Farr 1913) 7.5—'S' and 'F' unusually large. Rich, pansy-violet; deep orange beard; fragrant. 36". Each, 40c; 3 for \$1.00.

7410. PRINCESS VICTORIA LUISE. (G. & K. 1910) 7.2—'S' sulphur yellow. 'F' rich plum, bordered cream. Extra fine, 20". Each, 50c; 3 for \$1.25.

7415. PROSPER LAUGIER. (Verdier 1914) 8.3—A fine plant on the lines of Jacquesiana but with larger flowers and brighter in color. 'S' light bronze-red. 'F' very broad, of the deepest velvety crimson, richly veined at the throat. 30". Each, 75c; 3 for \$1.85

7475. QUEEN OF MAY 7.4—One of the most charming of the "pink" Pallidas. 'S' lilac. 'F' purplish lilac or rose. Large, free, very handsome. Robust and free-flowering. Each, 30c; 3 for 75c;

7476. RAFFET. (Vilm. 1920) 8.1—'S' and 'F' uniform rich dark blue. 'F' striped white at base. Yellow beard. Late. Pleasing shade. 27". Each, \$2.00; 3 for \$5.00.

7509. TRIANON. (New) (Vilm. 1921)—Medium late. Plants vigorous and exceedingly floriferous. Flowers of medium size, but of great delicacy. 'S' yellow. 'F' yellow with a bluish reflex. 28". Each, \$5.00

7508. TURCO. (New) (Vilm. 1921)—Medium late. 'S' beautiful lilac-rose. 'F' yellow washed with blue. Very lovely. Award of merit, French National Horticultural Society. 30". Each, \$5.

7515. VIOLACEA GRANDIFLORA. 8.0—'S' rich blue. 'F' violet blue. Each, 30c; 3 for 75c

7518. ZOUAVE (New) (Vilm.)—Standards soft lilac; Falls are very broad, spreading, finely dotted with light violet and striped at base. Semi-early. Very floriferous. 24". Award of merit French National Horticultural Society. Very scarce. Each, \$5.00

BEARDED IRISES IN MIXTURE.—This superb mixture is made wholly from named sorts, of which we have surplus stocks, and can be depended upon to give entire satisfaction. 3 for 40c; doz., \$1.25; per 100, \$9.00

## Dwarf Bearded Irises

Lovely dwarf-growing Irises suitable for edging or border planting. 3 for 50c; dozen, \$1.50.  
7430. FIANCEE—Pure white.  
7435. AZUREA—Beautiful sky blue.  
7440. CYANEA (G. & K. 1899)—Dark blue  
7445. EBURNEA (G. & K. 1899)—White, cream shaded.  
7450. FLORIDA (G. & K. 1899)—'S' citron yellow. 'F' deeper yellow, handsomely veined.



Opera.

## Intermediate Irises

These are mostly hybrids between the Dwarf Bearded and Tall Bearded varieties. Flowers are very large, and finely colored. Bloom after the early Pumilas, and before the later Tall Bearded Iris. Each, 30c; 3 for 75c.

7135. DIAMOND (Caparne 1901) 7.1—Pure white; blue staining on Falls. 18".

7140. DOROTHEA. (Caparne 1901) 7.6—Porcelain white tinged with lilac, a little darker than Reinette. 24".

7125. DAUPHIN. (Caparne 1901) 6.9—'S' rich purple. 'F' dark purple. 18".

7205. FREYA. (Caparne 1901) 6.5—'S' Pearl color. 'F' flamed violet.

7225. HELGE. (G. & K. 1908) 6.6—Lemon yellow, pearly shading. Orange beard. 24".

7240. INGEBORG. (G. & K. 1908) 7.7—The only pure white intermediate in general cultivation. Strong grower. Free bloomer.

7255. IVORINE. (Caparne 1901) 7.3—Ivory-white with gold markings at base of petals. Orange beard.

7500. SARAH. (Foster 1908) 6.9—A charming little hybrid. Flowers delicate pearly white, borne in great profusion. Strongly recommended. 22".





A Profusion of Luxuriant Blooms of Festiva Maxima

## McDonald's Superb Peonies

Of all hardy flowers for Canada, Peonies stand well in the foreground. They will live for years even if totally neglected, but like other plants, they will repay the grower for a little attention. Being perfectly hardy throughout Canada, they will withstand our severest winters without injury.

Peony blooms are large, showy, and of various forms; colors ranging through all shades from pure white to deep purple-garnet. Practically all varieties are deliciously fragrant. The foliage is rich and glossy, of a rich deep green color, rendering the plant very ornamental even when not in bloom. No flower is more satisfactory for artistic landscape effect, while for cutting for indoor decoration, the Peony is unsurpassed.

Diseases and insect pests are almost unknown to the Peony. Ants oftentimes are found on the buds, but they do no harm as they are merely after a sweet sticky juice that exudes from the bud.

If a careful selection of varieties is made, Peony blooms may be enjoyed for fully six weeks.

All roots we offer are of our growing. We offer a very carefully selected list representing the cream of the world's most famous Peony-breeders. Many rare varieties are included as well as the best of the standard sorts.

**TREATMENT.**—The Peony is so easily grown that but little need be said regarding its culture. We use great care in packing, and the roots usually reach our customers as fresh as when dug. If they happen to be slightly shrivelled, immerse them in water for 6 or 8 hours.

Peonies do well when planted in well-drained soil where they will receive full sun, and where the soil will not be impoverished by the roots of trees and large shrubs. Any soil suitable for raising vegetables is good for Peonies. An annual top dressing of manure close to the plants is sufficient. If the soil is poor, better when planting, dig a hole two feet wide and two feet deep, fill in with what when firmly packed, will make nine inches of good well-rotted stable manure, throw in about 5 inches of soil upon which set the root, then fill in, working soil well in about the root. The tops of the buds or "eyes" should be 2 or 3 inches below the level of the soil.

Peonies should not be planted closer than 3 feet apart. While covering in winter is not always essential, a light mulch of straw or strawy manure after the ground is frozen hard, will give protection. In Spring, remove the mulch. Cultivation before blooming is especially beneficial. Peonies are gross drinkers as well as gross feeders, consequently a liberal supply of water before blooming will do much towards finer blooms. When extra large specimen blooms are desired for exhibition purposes, remove the side buds as soon as they appear. This will throw all the strength into the terminal bud. In order to enjoy the most delicate tints, the flowers should be allowed to open in the house, as the sun bleaches the colors. Cut them in the bud just as the guard petals begin to open, and as each bud is cut, drop it into a pail of fresh water. This lengthens the life of the blooms. When cutting flowers, be sure to leave at least two leaves remaining on each stem to insure root growth for another year. Stalks may be cut to the ground after September 1st if desired.

**GUARANTEE**—We guarantee our stock true to name. Mistakes rarely occur, but when they do we will cheerfully refill the order without expense to purchaser. Please bear in mind, however, that many Peonies do not produce typical blooms until plants become well established, which is the third year. Double varieties sometimes throw single blooms first year, fair blooms the second, and fine, typical flowers the third year.

Peonies may be planted any time during the Spring or Fall. Fall planting generally being recommended. With our system of digging each order separately and forwarding immediately after digging, the plants get practically no check provided our customers plant them immediately upon arrival. But, if you have failed to plant in the Fall, do not hesitate to plant in the Spring, since you will have strong established plants the following year, thereby saving practically a full year.

We send out strong roots, grown one or two years since division. These will, in most cases, bloom the year following planting.

Extra heavy clumps of 3 to 4 years old for immediate effect can be supplied at double price. Scarce, high-priced novelties can be supplied only in ordinary sized plants.

We **GROW** and carry good stocks of all Peonies listed.

**Quantity Discounts.**—Peony orders of from \$10.00 to \$30.00 in value are subject to 10% discount; over \$30.00, 15% discount.

Prices quoted include carriage charges by parcel post or express at our option.



The figures following variety introducer and year, denote value rating according to the American Peony Society. The valuation is on a scale of ten in which a grade of 10.0 represents absolute perfection in both plant and bloom.

**5005. ADOLPHE ROUSSEAU** (D. & M. 1890) 8.5—Very large, semi-double. Tall vigorous grower. One of the best very early dark red Peonies, being deep purplish garnet with dark foliage veined red. Each, \$1.50; 3 for \$3.75.

**5025. ALBERT CROUSSE** (Crousse, 1893) 8.6—Late. Very large, flat, compact bomb. Fresh salmon-pink, with delicate shadings of rose-white. Fragrant and a vigorous free bloomer. Each, \$1.00; 3 for \$2.50.

**5050. ALICE DE JULVE COURT** (Pele, 1857) 7.2—Crown type; mid-season. Guards and centre lilac-white. Prominently flecked with crimson. Green collar. Fragrant. Dwarf. Free bloomer. Each, 75c; 3 for \$1.85.

**5055. ALSACE-LORRAINE** (Lemoine, 1906) 8.8—Large, flat, semi-rose type. Late mid-season. Petals arranged like a water-lily. Rich creamy-white deepening to pale yellow. Easily scores the six points of excellence. A very fine, attractive variety. Erect growth. Each, \$5.00; 3 for \$12.50.

**5080. ASA GRAY** (Crousse 1886) 8.1—Large 1032 type. Mid-season. Pale pink with tiny dots of deeper color. Fragrant. Asa Gray always attracts attention and calls forth exclamations of delight and admiration. Each, \$1.00; 3 for \$2.50.

**5095. AURORE** (Dessert, 1904) 8.1—Large, flat, loose, semi-rose type. Late. Lilac-white with collar of milk-white, flecked with crimson. Guards prominently flecked carmine. Fragrant. A superb Peony. Each, \$2.00; 3 for \$5.00.

**5115. BARONESS SCHROEDER** (Kelway, 1889) 9.0—Very large, globular, rose-type. Flesh-white fading to milk-white. Very fragrant. One of the finest peonies. Tall, strong grower. Free bloomer. Each, \$2.00; 3 for \$5.

**5130. BEAUTE de VILLECANTE** (Gombault, 1856) 7.0—Crown type; late mid-season. Guards and crown violet-rose, collar lilac-white. Fragrant. Each, \$1.00; 3 for \$2.50.

**5145. BERLIOZ** (Crousse, 1886) 7.0—Rose type. Late mid-season. Light carmine-rose, tipped silver. Very attractive. Each, 60c.

**5170. CARNEA ELEGANS** 7.8—Crown type, Mid-season. Petals broad, clear flesh pink, with glossy reflex, mixed with small yellow petals. Good bloomer. Each, 60c; 3 for \$1.50.

**5195. CLAIRE DUBOIS** (Crousse, 1886) 8.7—Large, globular, rose type. Late mid-season. Clear, deep violet-rose, tipped silvery white. A glorified Monsieur Jules Elie. Very fine. Each, \$1.50; 3 for \$3.75.

**5230. COURONNE D'OR** (Calot, 1872) 8.1—Large, flat, semi-rose type. Late mid-season. This variety is well named "Crown of Gold." Flowers, pure white with a ring of golden yellow stamens round a tuft of centre petals pencilled carmine. This is one of the best peonies in cultivation. Possesses a delightful water-lily fragrance. Each, 75c; 3 for \$1.85.

**5245. DELACHEI** (Delache, 1856) 7.1—Large compact rose-type. Late mid-season. Violet crimson, slightly tipped silver. Strong grower, medium height, free bloomer. Dazzling red. Each, 75c; 3 for \$1.85.

**5295. DUCHESSE de NEMOURS** (Calot, 1856) 8.1—Crown type. Early. Two days later than Festive Maxima. Superb cup-shaped sulphur-white flowers, no crimson flecks. Fragrant. Free bloomer. Vigorous grower. Very fine in half open bud state. Each, 60c; 3 for \$1.50.

**5305. DUC DE WELLINGTON** (Calot, 1859) 7.8—Large bomb with white guards. Sulphur centre. Late mid-season. A vigorous tall grower with strong upright stems. Immense flowers with high built centre. Free bloomer. Very fine. Each, 50c.

**5315. EDULIS SUPERBA** (Lemon, 1824) 7.6—Large, loose, flat crown. Early. Bright clear mauve-pink with silvery reflex. Exceedingly fragrant. Strong, upright, free bloomer. A good peony. Each, 50c; 3 for \$1.25.

**5350. EVANGELINE** (Lemoine, 1910) 8.1—Rose type. Mid-season. Large, very compact. Pale lilac-rose splashed scarlet. Deliciously fragrant. A splendid sort. Each, \$5; 3 for \$12.50.

**5360. FELIX CROUSSE** (Crousse, 1881) 8.4—One of the best reds. Bomb type. Late mid-season. A self-colored full rich brilliant red. Its large globular flowers are compactly built from edge to centre. Strong, vigorous grower. Free bloomer. Medium height. Each, 75c; 3 for \$1.85.

**5370. FESTIVA MAXIMA** (Mieliez, 1851) 9.3—There is no peony more popular than Festiva Maxima, and among even the highest priced sorts it has few superiors. Large globular rose type. Snowy-white prominently flecked crimson. Outer petals sometimes faint lilac-white on first opening. Tall, vigorous grower, early, and excellent for cut flowers. Each, 50c; 3 for \$1.25.

**5410. GERMAIN BIGOT** (Dessert, 1902) 8.5—Very large, medium compact, flat crown. Mid-season. Pale lilac-rose. Guards prominently flecked crimson. Collar same as guards. Free bloomer. Flowers borne in clusters. Each, \$1.50; 3 for \$3.75.

**5435. GLOIRE DE CHAS GOMBAULT** 7.9—Deep globular crown type. Medium size. Guards and crown light rose, collar of narrow cream-white petals, widening toward the centre. Beautiful tri-colored bloom. Mid-season. Very fine. Each, \$1.00.

**5450. GLOIRE DE TOURAINE** (Dessert, 1908) 7.8—Rose type. Very late. Very full flower without stamens. Dark carmine-rose or crimson. Exceedingly fragrant. Strong erect grower. Each, \$2.50.

**5465. GOLDEN HARVEST** (Rosenfeld, 1900) 7.3—Bomb type. Mid-season. Guards pale lilac-rose, centre creamy-white, developing many wide petals of a peach-blossom pink; fragrant; dwarf; free bloomer. Each, 60c; 3 for \$1.50.

**5555. LE CYGNE** (Lemoine, 1907) 9.9—Large, globular, semi-rose type. Mid-season. An extremely rare variety which connoisseurs agree is the finest white peony in cultivation. Flower is pure snowy-white throughout. Its round compact type of bloom makes it easily distinguishable from all others. Deliciously fragrant. Scored 9.9 out of possible 10 in the American Peony Society's voting contest on the newer varieties. Distinct and very beautiful. Rare. Each, \$20.00.

**5560. LADY ALEXANDER DUFF** (Kelway, 1902) 9.1—This rare variety has attracted much attention. Kelway describes this fine peony as hereunder: "Lovely—French-White—that is to say, not a snow-white, although when fully opened it is quite white; in the young stage, tinted with a very fresh delicate pale shade of what is commonly called 'blush', or palest pink. The central flower (the first to open) is a double flower of rather flattened circular form, and the central petals have a very small touch of carmine. It is a very nicely formed flower, and scented, and the plants are exceedingly free flowering and showy. The side flowers (which are freely produced and which open after the central flowers) come in semi-double and saucer-shaped form, exposing the anthers. The back of the flower near the stem is flushed with pink." Tall and robust. Very scarce. One of the grandest varieties we have ever raised. Each, \$15.

**5585. LA LORRAINE** (Lemoine, 1901) 8.6—Immense creamy white flowers of globular form. Delicate fragrance. Very fine. Each, \$7.50; 3 for \$18.75.

**5580. LA FRANCE** (Lemoine, 1901) 9.0—Very distinct and attractive variety of the most perfect rose type, very large compact and globular. Delicately colored a dainty rose-white with splashes of crimson on the outer guard petals. Very fragrant and a tall vigorous, free bloomer. Late. Mid-season. Each, \$10.00.







**THERESE**  
As grown at  
Maplewood.

5595. **LA PERLE** (Crousse, 1885) 8.5—Rose type. Mid-season. Deep lilac-white, blush centre prominently flecked carmine. Fragrant. Extra strong, free bloomer. Extra good. Each, \$1.00; 3 for \$2.50.

5605. **LA ROSIERE**. (Crousse 1888). 8.3—Large, flat, medium, compact, semi-double. Outer petals pure white, the centre of the flower being a large disc of golden yellow stamens. Very handsome. Each 75c.

5610. **LA TENDRESSE** (Crousse, 1896). 8.1—Rose type. Early. Uniform, milk-white, guards slightly splashed and centre flecked with crimson. Fragrant. Tall, strong, and free bloomer. Each, \$1.50; 3 for \$3.75.

5615. **LA TULIPE** (Syn. Multicolore), (Calot, 1872). 7.5—Semi-rose type. Mid-season. Lilac-white, outer guard petals striped crimson. Fragrant. Very beautiful. Extra good commercial sort. Each, 75c.

5620. **LAURA DESSERT** (Dessert, 1913) 8.8—Rose type. Early. Lovely large full flowers. Guard petals creamy white. Centre lively canary yellow. A superb variety. Each, \$15.00

5655. **LIVINGSTONE** (Crousse, 1879). 8.1—Very large compact. Perfect rose type. Pale lilac-rose with silver tips. Central petals flaked carmine. Odor lacking. Very strong. Medium height. Free bloomer. Extra good variety. Each, \$1.00; 3 for \$2.50.

5660. **LORD KITCHENER** (Renault, 1916) 7.6—Rose type. Very early. Brilliant cherry red. Very free and vigorous. One of the very first peonies to bloom. Fragrant. Each, \$2.50; 3 for \$6.25

5685. **MADAME AUGUSTE DESSERT** (Dessert, 1899). 8.6—Semi-rose type. Early mid-season. Large imbricated flower, fine form. Uniform violet-rose guards and centre slightly flecked crimson. Each, \$2.50; 3 for \$6.25.

5705. **MADAME BOULANGER** (Crousse, 1886). 7.8—Rose type. Late mid-season. Glossy soft pink shaded lilac. Silvery flesh border. Extra fine. Each, \$1.50; 3 for \$3.75.

5715. **MADAME BUCQUET** (Dessert, 1888) 7.3—Semi-rose type. Mid-season. Velvety dark crimson. Very rich color. Fragrant. Tail, strong grower. An attractive variety. Each 75c.

5720. **MADAME CALOT** (Mieliez, 1856) 8.1—Large rose type. Early. Hydrangea-pink centre shaded slightly darker. Collar tinted silver. Deliciously fragrant. Sure bloomer. Each, 60c; 3 for \$1.50.

5750. **MADAME DE VATRY**. (Guerin 1853). 7.7 — Crown type, Mid-season. Lilac-white guards and crown. Sulphur-white collar of wide petals, centre striped carmine. Fragrant. Each, 75c.

5755. **MADAME DE VERNEVILLE**, (Crousse 1885) 7.9—Bomb type. Early, Guard petals pure white. Centre, blush, fading to white. Flaked carmine on centre petals. Fragrant. Free bloomer. An extra good variety. Each 75c.

5775. **MADAME EMILE GALLE** (Crousse, 1881) 8.5—Rose type. Late. Deep lilac white, changing to milk-white in centre. Extra good. Each, 75c; 3 for \$1.85.

5780. **MADAME EMILE LEMOINE** (Lemoine, 1899) 8.9—Large compact rose type Mid-season. Glossy white tinged pale pink and sprinkled with tiny dots of deeper shade, Medium height. Spreading habit. Each, \$2.00; 3 for \$5.00.

5785. **MADAME FOREL** (Crousse, 1881) 7.7—Large very compact imbricated rose type. Late. Clear bright pink with a silvery tipped centre. Very fragrant. An extra fine variety. Each, \$1.00; 3 for \$2.50.

5820. **MADAME GEISSLER** (Crousse, 1880) 7.9—Full, globular, rose type, with large imbricated petals. Mid-season. Color is a clear satiny light pink tipped silver. Exceedingly fragrant. Very large blooms. Each, \$1.00; 3 for \$2.50.

5880. **MLLE. ROUSSEAU** (Crousse, 1888; 8.1—Large, globular, semi-rose type. Mid-season. Guard petals milk-white, central petals splashed lilac-white, flecked carmine; outer guards prominently splashed carmine. Each, \$1.50.

5915. **MARGUERITE GERARD** (Crousse, 1892) 8.4—Semi-rose type. Mid-season. Enormous, flat shaped flower with wide petals. Color, delicate salmon-pink fading to creamy white. Central petals flecked dark carmine at tips. This is one of the grandest peonies in existence. Each, \$1.00; 3 for \$2.50

5935. **MARIE CROUSSE** (Crousse, 1892) 8.9—Bomb type. Mid-season. Uniform pale lilac-rose. Tall, erect, strong grower, free bloomer. A very desirable Peony. Each, \$3.00; 3 for \$7.50.

5735. **MADAME DE GALHAU**, (Crousse 1892) 7.5 Large, compact, globular rose type. Late, Guards rose-white, centre pale lilac-rose. Delightfully fragrant. Medium height. Strong free bloomer. Each 75c.

5940. **MARIE D' HOUR** (Calot, 1883) 7.9—Rose type. Mid-season. Deep flesh color with white reflex. Good. Each, 60c; 3 for \$1.50.

5950. **MARIE JACQUIN** (Verdier), (Syn. Bridesmaid), (Kelway); Waterlily (Barr) 8.3—Distinct and beautiful. Semi-double type. Mid-season. Color, lovely rose-white, fading to lilac-white; wide incurved petals filled with yellow stamens like a water-lily. Rich fragrance. Each, \$1.00; 3 for \$2.50.

5955. **MARIE LEMOINE** (Calot, 1869) 8.5 —Compact, rose type. Very late. Flowers enormous. Pure white with cream-white centre. Occasional carmine tip. Fragrant. An extra good commercial variety. Each, 75c; 3 for \$1.85

5975. **MODELE de PERFECTION** (Crousse, 1875) 7.8—Large compact rose type. Late. Guards and collar light violet-rose; wide high centre petals, shaded darker. Profuse bloomer, Fragrant. Very pretty. Each, \$1.00; 3 for \$2.50.

5980. **MODESTE GUERIN** (Guerin, 1845) 7.8—Bomb type. Mid-season. Large, handsome, globular bloom. Color uniform light solferino-red. Very fragrant. Extra strong grower, medium height. Free bloomer. Each, 75c; 3 for \$1.85.

5995. **MONSIEUR DUPONT** (Calot, 1872) 8.3—Semi-rose type. Mid-season. Very large, flat, well-built blooms of ivory-white. Centre petals splashed crimson showing stamens—very fragrant. Resembles Boule de Neige but later. Each, \$1.00; 3 for \$2.50.

6005. **MONSIEUR JULES ELIE** (Crousse, 1888) 9.2—Bomb type. Early mid-season. Considered by many the finest of all peonies. Immense, globular, very full flowers of pale lilac-rose; collar lighter, shaded amber-yellow at the base. Very fragrant. Easily scores the six points of excellence. A prize winner everywhere. Extra. Each, \$1.00; 3 for \$2.50.



**6015. MONSIEUR MARTIN CAHUZAC** (Dessert, 1899) 8.8—The darkest peony in cultivation. Distinct and handsome. Semi-rose type. Mid-season. Large, full, massive; flowers are dark purple-garnet, black reflex, and so glossy that the petals appear as if varnished. Foliage dark green, stems red. Each, \$6.00; 3 for \$15.00.

**6045. OFFICINALIS ROSEA SUPERBA** — Beautiful full-double flowers of rich soft rosy-pink. Valuable on account of its earliness in blooming. Each, 75c; 3 for \$1.85.

**6050. OFFICINALIS RUBRA PLENA.**—The popular old-fashioned early red peony. Large globular flowers of brilliant crimson. Each, 50c; 3 for \$1.25

**6090. PIERRE DESSERT** (Dessert & Mechin, 1890) 7.6—Semi-rose type. Early. Large fringed full flower—dark crimson-purple tipped silver. One of the earliest dark reds. Each, \$1.00; 3 for \$2.50

**6105. PRIMEVERE** (Lemoine, 1907) 8.6—Bomb type. Mid-season. Large blooms borne in clusters on strong stems. Guards creamy-white splashed scarlet; centre light sulphur-yellow. The nearest approach to a yellow peony in the Chinensis section. Each, \$7.50; 3 for \$18.75.

**6145. REINE HORTENSE** (President Taft) (Calot, 1857) 8.7—Rose type. Mid-season. Delicate hydrangea-pink completely enveloped in a halo of angelic white. Centre prominently flecked crimson. A distinct and beautiful variety and one that should be included in every collection. Deliciously fragrant. Each, \$1.50; 3 for \$3.75.

**6185. SARAH BERNHARDT** (Lemoine, 1906) 9.0—Flat, compact, semi-rose type. Mauve-rose tipped silver. Fragrant. Tall, free bloomer. Each, \$4.00; 3 for \$10.00.

**6195. SOLFATARE** (Calot, 1861) 7.6—Crown type. Mid-season. Milk-white guards; sulphur collar fading to sulphur-white. Until the production of Primevere, this peony was recognized as the nearest approach to a yellow peony. An extra fine peony. Each, 75c; 3 for \$1.85.

**6210. SPLENDIDA**, 8.2—Very large, globular cup-shaped rose type. Light violaceous pink. Exceedingly fragrant. Free bloomer. Very beautiful. Each, \$2.00; 3 for \$5.00.



The Glory of June.



Marie Jacquin.

**6215. STANLEY** (Crousse, 1879) 8.2—Rose type. Mid-season. Large, compact full-bloom—light pink, shaded lilac, silvery reflex. Central petals flecked dark pink. Good. Each, \$1.00; 3 for \$2.50

**6225. SUZANNE DESSERT** (Dessert, 1890) 7.7—Semi-rose type. Mid-season. Large, compact, globular, pure mauve flowers, centre splashed crimson. Tall, strong grower. Extra good. Each, \$1.50; 3 for \$3.75

**6235. THERESE** (Dessert, 1904) 9.8—Rose type. Mid-season. An exceptionally attractive flower of glossy flesh, lightly shaded pink in the centre. Very large, compact rose type, later developing a high crown. Therese is one of the most desirable varieties in cultivation, and is the object of admiration wherever shown. A strong, vigorous grower, and a free bloomer. Perfect in every respect. Each, \$6.00; 3 for \$15.00.

**6245. TOURANGELLE** (Dessert, 1910) 9.4—Rose type. Late mid-season. Large, flat flower of exquisite and delicate coloring. Flesh tinged rose and salmon. Very attractive. One of the very best. Each, \$7.50; 3 for \$18.75

**6250. TRIOMPHE de L'EXPOSITION de LILLE** (Calot, 1865) 7.8—Rose type. Late mid-season. Pale hydrangea-pink, minutely splashed violet-rose; guard petals fading to nearly white. Fragrant. Strong, free bloomer. Each, \$1.25; 3 for \$3.10.

**6260. VICTOIRE de la MARNE** (Dessert, 1915) 8.3—This is Dessert's peony named to commemorate French victory of the Marne. Very attractive large globular blooms. Color, velvety amaranthred with silvery reflex. Each, \$5.00.

**6265. VICTOR HUGO** (Crousse, 1885)—Bomb type. Late, Brilliant carmine-red. Very similar to Felix Crousse. Each, \$1.00; 3 for \$2.50.



# McDonald's Popular Perennials

These hardy herbaceous plants die down each winter, and with the advent of Spring they burst into growth and welcome the growing season with a wealth of bloom and foliage. They require little care, cultivation, and the cutting away of dead flowers being practically all that is necessary. They thrive in good garden soil, although a deep spading with the application of rotted manure or commercial fertilizer before planting will ensure luxuriant growth.

We offer hereunder a limited number of hardy herbaceous plants. These we can deliver in Spring or Fall. Time of blooming, and height are given. Price, unless otherwise mentioned, 3 for 50c; dozen, \$1.75, carriage prepaid.

**D. GLOXINIAEFLORA**, Mixed.—Blooms July-Sept. 30 inches.

**GAILLARDIA GRANDIFLORA** (Blanket Flower).—Flowers in rich and brilliant colors of orange, crimson, and red. Splendid for cutting. June to October. 2 feet.

**GYPSOPHILA PANICULATA** (Baby's Breath).—Masses of minute white flowers, forming a beautiful gauze-like appearance. July-August. 2-3 feet.

**HELENIUM** (Sneeze wort).—Vigorous growing hardy border plants, blooming all summer. Flowers, yellow. 3½ feet. Finest mixed.

**HEMEROCALLIS** (Day Lily).—Lily-like flowers with ornamental foliage. Valuable for planting the perennial border. Each, 25c; 3 for 60c.

**DR. REGEL**.—Flowers, golden yellow. June-July. 1½-2 feet.

**FLAVA**.—Deep lemon-yellow. June-July. 2-3 feet.

**GOLD DUST**.—Bright yellow. May-June. 2-3 feet.

**THUNBERGI**.—Deep lemon-July. 3-4 feet.

**LILIES** (Hardy).—See page 21.

**LYCHNIS CHALCEDONICA** (Jerusalem Cross).—Flat heads of brilliant orange-scarlet. June-July. 3 feet.

**PAPAVER** (Poppy).—

**P. NUDICAULE** (Iceland Poppy).—Neat, dwarf plants. Flowers, orange, scarlet, white and yellow. All summer. 1 foot.

**P. ORIENTALE**.—Immense showy blooms of orange and orange-scarlet. May-June. 2½ feet.

**PEONIES**.—See page 24-27.

**PHLOX** (Hardy).—See page 21.

**RUDBECKIA** (Coneflower).—Valuable for planting in the perennial border with their wealth of showy flowers.

**R. LACINIATA** (Golden Glow).—Double, golden-yellow flowers, produced in great profusion. June-Sept. 3-8 feet.



Delphinium

**ACHILLEA PTARMICA** (The Pearl).—Pure white double flowers, borne in graceful sprays. June to October. 2 feet.

**ACONITUM** (Monkshood).—Bushy plants. Flowers, blue and white. July-October. 4 feet. Ea. 25c; 3 for 60c.

**ANCHUSA ITALICA**.—Dropmore variety. Gentian blue flowers. June-July. 4-5 feet. Each 25c; 3 for 60c.

**AQUILEGIA** (Columbine).—Indispensable for the herbaceous border. Various colored flowers are valuable for cutting. May-July. 18-30 inches.

**ASTER** (Michaelmas Daisy).—Showy late flowering plants blooming Sept-October. 3 to 5 feet. Mixed varieties.

**BELLIS PERENNIS** (English Daisy).—Double flowering white and pink. May-Sept. 6 inches.

**CAMPANULA** (Bellflower or Harebell).—Among the most beautiful of hardy border plants. Very free flowering.

**C. CARPATICA**.—Dwarf. Blue. 9 in. June-Oct.

**C. MEDIUM** (Canterbury Bell).—Mixed, blue, rose, and white. June. 2 feet.

**C. MEDIUM CALYCANTHEMA** (Cup and Saucer).—Mixed colors. 2-3 feet. June.

**COREOPSIS, LANCEOLATA GRANDIFLORA**.—Popular hardy plant. Flowers, rich, golden yellow. Blooms all summer. 2-3 feet.

**DELPHINIUM**.—The tall and stately delphiniums of to-day far surpass the older varieties in graceful habit, and size and freedom of bloom. They supply a wealth of blue throughout the season which would be sadly lacking without these magnificent plants. 3-5 feet. Superb Mixed Hybrids. Ea. 30c; 3 for 75c; doz. \$2.50.

**DIANTHUS BARBATUS** (Sweet William).—Old favorites. Mixed colors. May-June. 1-1½ ft.

**DIANTHUS PLUMARIUS** (Hardy Pink).—Various colors. All summer. 1 foot.

**DIELYTRA SPECTABILIS** (Bleeding Heart).—An old-fashioned favorite. Its pink heart-shaped flowers are always attractive. Valuable for planting in shade. April to July. 2 feet. Each 50c; 3 for \$1.25.

**DIGITALIS** (Foxglove).—An old-fashioned and dignified garden favorite, with tall spikes of bell-shaped flowers borne well above the foliage.



Hollyhock—Chaters Double

**HOLLYHOCKS**.—Popular perennial plants, producing colossal spikes of showy flowers in most lovely shades. July-Sept. 6-8 feet. Each, 25c; 3 for 60c; per doz., \$2.25.

**DOUBLE VARIETIES MIXED**.

**NEWPORT PINK**.—Double pure pink flowers.

**FINE SINGLE MIXED**.—Very handsome and showy.

**IRIS** (Various).—See page 22-23.

**LATHYRUS LATIFOLIUS** (Everlasting Pea).—A vigorous climber. Mixed colors.



Campanula

## McDONALD'S SPECIAL OFFER OF HARDY PLANTS.

We offer the following **HARDY PERENNIAL PLANTS** in collections made of the most desirable varieties. The selection in every instance will be our own. We cannot furnish list of varieties, but all plants will be correctly labeled.

25 Hardy Plants in variety, our selection.—\$3.25, carriage prepaid.

50 Hardy Plants in variety, our selection.—\$6.00, carriage prepaid.

100 Hardy Plants in variety, our selection.—\$10.00, carriage prepaid.



## Hardy Ornamental Shrubs & Vines



*Spiraea  
"Van Houttei"*

The home grounds, simply and tastefully planted with well-selected shrubs and climbers, present an atmosphere of comfort and beauty not to be obtained in any other way. We give hereunder a list of hardy shrubs suitable for the purpose. We can supply many ornamental shrubs not here listed. Most shrubs we send out are too large to be forwarded by mail, consequently all orders will be forwarded by express at purchaser's expense. No extra charge for packing.

**BERBERIS THUNBERGI** (Japanese Barberry).—A well-known hardy shrub, beautiful throughout the entire year. Foliage, green, changing to red in autumn; the brilliant scarlet berries remaining throughout the winter. Valuable as hedge plant, and may be pruned to form, or grown naturally either as hedge or specimen plant for lawn. Strong plants, each, 50c; per doz., \$5.00; per 100, \$35.00; extra fine specimen plants, each, \$1.00.

**CARAGANA ARBORESCENS** (Siberian Pea Tree).—An erect shrub or low tree, bearing pea-shaped yellow flowers in May. Attains a height of 8 to 10 feet. Makes an excellent hedge. Plants, 2-3 feet. Each, 60c; doz., \$6.00.

**CORNUS ALBA** (Red Siberian Dogwood).—An upright shrub with bright blood-red branches. Flowers, creamy-white. 6 to 10 feet. Very showy in winter in contrast with snow. Each, 60c; doz., \$6.00.

**DEUTZIA LEMOINEI**—A small shrub with spreading branches, usually about 3 ft. tall. Produces a profusion of snow-white flowers on its slender bending branches. June. Each, 75c; dozen, \$7.50.

**FORSYTHIA SUSPENS** (Drooping Golden Bell).—One of the showiest shrubs in cultivation. Its golden-yellow flowers are borne on long drooping branches. May. Used individually, or as a hedge plant. Each, 60c; doz., \$6.00.

**LONICERA TATARICA** (Bush Honeysuckle).—Attractive shrub attaining a height of from 6 to 8 feet. Branches spreading. Flowers, white or pink, borne in great profusion. Fruit, red or orange, ripening in summer and persisting until autumn. May. Each, 60c; doz., \$6.00.

**HARDY HYDRANGEAS**.—Too much praise cannot be given these well-known popular shrubs. They form the most spectacular group of flowering shrubs known, with their enormous clusters of delicately colored blossoms in late summer and fall. As autumn advances, their flowers gradually take on darker tints, producing most charming effects.

**HYDRANGEA PANICULATA GRANDIFLORA**.—An old favorite. Flowers, white, later turning to pink and bronze. 6-10 feet. Prune each spring. Each, 75c; dozen, \$7.50. Extra large specimen plants, \$1.25.

**HYDRANGEA ARBORESCENS GRANDIFLORA**.—Height, 4-6 ft. A free-flowering variety with large clusters of bloom. Winter kills slightly sometimes at Ottawa, but hardy enough to ensure abundant bloom. Large plants. Each, 60c; dozen, \$6.00.

**PHILADELPHUS CORONARIUS** (Fragrant Mock Orange).—The sweet-scented Mock Orange with its large showy white flowers and graceful branches, has long been a close rival of the Lilac in popularity. This popular shrub blooms about June 15th, and attains a height of from 5 to 10 feet. Large plants, each, 75c; doz., \$7.50.

**PYRUS ANGUSTIFOLIA** (Bechtel's Double Flowering Crab).—Makes a medium-sized tree, hardy, and succeeds well in soils not too wet. Double rose-like flowers of a delicate pink color. Each, \$1.00; per doz., \$10.00.

**SYMPHORICARPOS RACEMOSUS** (Snowberry).—Flowers white or rose in summer. Berries white, persisting until winter. Height 3 to 5 ft. Each, 60c; doz., \$6.00.

**SYMPHORICARPOS VULGARIS** (Coralberry).—Flowers, greenish red in summer; berries coloring in autumn. Very showy. Height 3 to 5 ft. Each, 60c; doz., \$6.00.

**VIBURNUM OPULUS** (High Bush Cranberry).—Handsome shrub 8 to 10 feet high. Flowers, white, blooming in late spring and early summer. Bright red fruits in fall which are edible. Makes fine tall hedge. Each, 60c; doz., \$6.00.

**VIBURNUM PLICATUM** (Japan Snowball).—One of the choicest hardy shrubs. Should be in every collection. Handsome, dark foliage and large perfect balls of pure white flowers. June. 6-8 feet. Each, 75c; doz., \$7.50.

**SPIREA** (Meadow Sweet).—Showy, free-flowering shrub of inestimable value. They are graceful, compact bushes, many of them of great hardiness.

**SPIREA VAN HOUTTEI** (Bridal Wreath).—The most beautiful of all Spiraeas. A very graceful shrub. Flowers are pure white, produced very profusely on long arching branches. Quite hardy. Attains a height of 5 to 8 ft. Blooms about June 15th. Large plant, 75c; doz., \$7.50.

**SPIREA BUMALDA** (Anthony Waterer) (Crimson Spirea).—A form of the preceding with bright rosy-crimson flowers. Very floriferous, commencing to bloom in June and continuing to some extent all summer. Each, 60c; doz., \$6.00.

**SYRINGA** (Lilac).—Lilacs are always admired and universally loved for the many old associations and tender sentiment woven about them. Hybridizers in recent years have wrought wonderful improvements in the Lilac, both in size of flower and trusses, as well as in blooming period, which has been prolonged by the addition of earlier and later varieties. We have gathered together a fine collection of Lilacs, and hope to be able to offer a very complete list next year.

We offer some of standard and newer sorts. Each, 90c; doz., \$9.00.

Charles X.—Single purplish red.

Marie Legraye—Fine pure white, single.

Souvenir de Ludwig Spaeth—Single dark purplish red.

Madame Casimir Perrier—Double creamy white.

Madame Lemoine—Double pure white.

Michael Buchner—Double clear lilac.

Pres. Mussart—Single soft pink.

Vulgaris—The well-known old-fashioned lilac. Dense panicles of handsome purple flowers. A general favorite.

**SYRINGA VILLOSA** (Himalaya Lilac).—An upright shrub with stout warty branches. Attains a height of 5-2 ft. Blooms about June 15th or about two weeks later than other lilacs. Each, 90c; doz., \$9.00.

**WEIGELIA** (Diervilla).—Weigelias rank high among the popular flowering shrubs, presenting in May and early June masses of showy flowers. Each, 75c; doz., \$7.50.

**WEIGELIA EVA RATHKE**.—Flowers, brilliant crimson. Very floriferous.

**WEIGELIA CANDIDA**.—A strong grower. Flowers white, borne in great profusion. Blooms June to Autumn.

## Hardy Vines and Climbers

**AMPELOPSIS**.—Hardy ornamental vines climbing by tendrils. One of the most popular climbing vines.

**AMPELOPSIS ENGELMANNI** (Improved Virginia Creeper).—This variety has smaller leaves than the ordinary Virginia Creeper. It is self-clinging on brick walls, etc., and needs practically no attention as regards training. Each, 60c; doz., \$6.00.

**AMPELOPSIS VEITCHI** (Boston Ivy).—A beautiful vine with glossy neat foliage. Turns brilliant orange and scarlet in Fall. Clings firmly and covers walls densely. Strong plants. Each, 50c; doz., \$5.00.

**ARISTOLOCHIA SIPHO** (Dutchman's Pipe).—Large heart-shaped deep green leaves. Curious, yellowish brown pipe-shaped flowers. Height, 20 to 30 feet. Rapid grower. Each, 75c; doz., \$7.50.

## Honeysuckle

**LONICERA** (Honeysuckle).—Perfectly hardy, and adaptable to any purpose. Delightfully fragrant.

**LONICERA BELGICA**.—Flowers red and yellow. Blooms all summer. Each, 60c; doz., \$6.00.

**LONICERA SEMPERVIRENS**.—Handsome variety, bearing large clusters of scarlet tubular flowers during Spring and Summer. Each, 60c; doz., \$6.00.

## Clematis

Beautiful and popular vines with a profusion of exceedingly attractive bloom. Suited for porches, trellises, and other situations where flowering vines are wanted.

**CLEMATIS JACKMANNI**.—The most popular of the large-flowered sorts. Blooms are rich velvety violet purple. Each, 75c; doz., \$7.50.

**CLEMATIS PANICULATA**.—The foliage of this well-known sort is thick, handsome, and glossy. Its small starry blossoms are borne in great profusion during July and August, followed by feathery seed. Rapid climber. One of the best. Each, 75c; doz., \$7.50.





## A Fine Lawn is a Continual Joy

### Now is a Good Time to Make or Renovate Lawns

No matter where it is situated—whether in the crowded centres—in the more roomy suburbs or in the broadly generous country—any home or building lacks a harmonizing or artistic touch without a lawn. Nature's velvety, rich carpet of green is a wonder worker in that respect which bounteously repays in satisfaction and pleasure the time and care necessary for its existence. And every one can have a patch of green sward if they desire and have the place for it—because it is comparatively easy to make. The ground should be evenly graded and well drained, and if not rich enough should get a liberal dressing of well-rotted barnyard manure well worked into the soil. Rake the surface until it is quite smooth and even, and firm the soil by either rolling or treading. After the soil is quite smooth the ground should be loosened a quarter of an inch deep with a sharp-toothed rake to prepare it for the seed. Seed should be sown evenly on a calm day using one pound to every 350 square feet. After sowing, go over it again with the roller to press the seed into the soil, covering the seed as little as possible. If the weather is dry, give a good watering occasionally till the young grass is well established, and as soon as the grass is three inches high commence to use the lawn-mower and cut frequently. Thorough rolling is beneficial at any time. Good seed is one of the first essentials and this we aim to supply. Our mixtures contain only the finest varieties of imported natural grasses, carefully selected for purity, cleanliness and high percentage of germination.

### McDonald's Evergreen Lawn Grass

For the home grounds, also for private and public parks, this is a perfect mixture of dwarf growing evergreen grasses, and will produce a beautiful enduring turf. The different grasses are of permanent nature and carefully proportioned as to season. With our Evergreen mixture it is possible to produce a rich colored lawn in from 6 to 8 weeks, and which will continue to improve until retarded by the frosts of winter. Price per lb., postpaid, 75c. Write for special prices on large quantities.

**MCDONALD'S PARK MIXTURE**—This mixture, while not containing so much of the higher-priced grasses as our Evergreen Lawn Grass, will give excellent results. Price, per lb., postpaid, 60c.

**"SHADY NOOK" LAWN GRASS MIXTURE**—A mixture of grasses which grow naturally in the woods, and of dwarf ever green growth. Recommended for sowing under trees and in shady places where ordinary grasses will not thrive. Price, per lb., postpaid, \$1.00.

### Seeds For Fall Sowing

|                                                                             | Oz. Pkt |                                                                                                                                                                                                                        | Oz. Pkt. |
|-----------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>CRESS, EXTRA CURLED.</b><br>Popular for salads.....                      | 25 10   | <b>RADISH, RAPID FORCING</b> —Best variety under glass .....                                                                                                                                                           | 20 10    |
| <b>CUCUMBER, IMPROVED TELEGRAPH</b> —The best forcing variety (12 seeds)... | 25      | <b>RADISH, SCARLET TURNIP WHITE TIPPED</b> —Splendid outdoor sort .....                                                                                                                                                | 20 10    |
| <b>CUCUMBER, DAVIS PERFECT</b> —Does well under glass .....                 | 10      | <b>TOMATO, SUNRISE</b> —Considered the finest variety for Greenhouse culture, and the best small, "whole salad" type for outdoors. Medium size, and perfectly round fruits, produced in characteristic, long clusters. | 15       |
| <b>LETTUCE, GRAND RAPIDS</b> —The favorite forcing Lettuce .....            | 30 10   | <b>TOMATO, BONNY BEST</b> —Good for greenhouse work .....                                                                                                                                                              | 10       |
| <b>LETTUCE, MAY KING</b><br>Best head Lettuce for forcing .....             | 30 10   | <b>MUSHROOM SPAWN</b> —Fresh shipment of finest English Mill-track Spawn just received. Price per brick, 30c; 4 for \$1.00, or by mail postpaid, 40c per brick.                                                        |          |
| <b>MUSTARD, ENGLISH WHITE</b> —Ideal for salads .....                       | 20 10   |                                                                                                                                                                                                                        |          |
| <b>PARSLEY, McDONALD'S PERFECTA</b> —The best curled variety .....          | 35 10   |                                                                                                                                                                                                                        |          |

**PANSY No. 1435. McDONALD'S ROYAL EXHIBITION MIXTURE.**—This superb selection is our finest mixture, and will produce enormous blooms in all the richest colorings and markings. We prepare this assortment ourselves from the best of the American and European strains, and it contains the largest and best types only. It is the result of many years careful selecting for size, texture, coloring, and length of stem. The blooms are truly gigantic, finely curled, and most richly colored of the stained and blotched varieties. A grand strain from which to select. Exhibition blooms, Pkt. 50c.



Royal Exhibition Pansy



**PLEASE NOTE** —  
The following lines  
are at purchaser's ex-  
pense for cost of  
carriage unless oth-  
erwise mentioned.

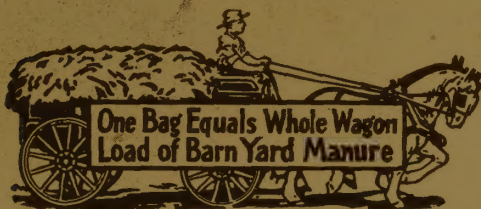
## Horticultural Sundries

While space will not permit of a complete list of the many desirable lines and labor-saving devices we have to offer for both amateur and professional horticulturists, may we suggest that you write us for printed matter and prices pertaining to any other lines not here listed.

Bulb Bowls and Jardinieres. We carry in stock a splendid assortment of Bulb Bowls, Vases and Jardinieres. Also self-watering flower boxes, hanging baskets, pots, etc.

### Fertilizers

**WIZARD BRAND SHEEP MANURE**—A natural fertilizer that supplies both the plant food and humus your soil needs for nature to work with. Experienced gardeners use all the manure they can get because of the life and fertility it puts into the soil. Sheep manure is the richest and best of all animal manures and Wizard Brand genuine sheep manure gives you the equivalent of a whole wagon load of stable manure,—in a bag.



**FOR LAWN MAKING**—It promotes a strong healthy turf of beautiful color,—is easily applied by anyone, and brings no weed seeds. An old lawn with a dressing of 6 to 8 pounds of Wizard to each 100 square feet, will assume life, color and beauty.

**FOR FLOWER GARDENS**—It is the best you can use for nothing will produce such color and foliage. Ten pounds for each 100 square feet is all you require. Price, 2 lbs., 25c; 5 lbs. 50c; 25 lb. sack, \$1.00; 50 lb. sack, \$1.75; 100 lb sack, \$3.25. Not prepaid.

**THOMPSON'S VINE, PLANT AND VEGETABLE MANURE**—A safe and reliable food and stimulant for plants of every description; admirably adapted for mixing with the soil when potting in the proportion of 4 pounds to each wheelbarrow load of soil. Price, large tins 50c, postpaid, 75c; 7 lbs., \$1.00; 14 lbs., \$1.75; 28 lbs., \$3.25. In larger quantity write for prices.

**PURE BONE MEAL**—The very best fertilizer for use in potting soil for flowering bulbs. Finely ground. It decomposes more rapidly in the soil than the coarser grades, and is therefore more quickly beneficial. Bone Meal forms an excellent permanent improvement and is less likely to waste than other fertilizers. It is safe and there is no danger of burning the plants or bulbs. Price, 5 lb. pkt., 50c; 10 lbs. 75c; 25 lbs. \$1.50; 100 lbs. \$4.50.

**AUTO-SPRAY NO. 1—CAPACITY THREE GALLONS OF SOLUTION**—The Auto-Spray No. 1 is the best compressed air sprayer made. Strongly built and guaranteed to be satisfactory and without defect. Will handle all spraying solutions, and can be used in all kinds of work. Tank of heavy brass or galvanized steel. Seamless brass pump 2 inches in diameter. All parts are instantly accessible and easily replaced. Each machine equipped with 2 feet of 1-2-inch, 5-ply hose, including the famous Auto-Pop Nozzle,—a nozzle which does not, and cannot clog. Price galvanized tank with Auto-Pop Nozzle, \$7.50; with brass tank, \$10.00. Charges prepaid to purchaser's address.



### STIM-PLANT

#### PLANT STIMULANT TABLETS

Trade Mark Registered U. S. Patent Office. A Modern, Efficient and Scientific Method of Fertilizing Growing Plants.

Stim-U-Plant tablets enable the planter to keep development absolutely under control, for he can feed his plants as they need food. They increase production, hasten maturity, improve quality, and better the color of the plants and products at a cost of only a fraction of a cent for each application. Supplied in four sizes at following postpaid prices:— Trial size, 20c; 30 tablets, 35c; 100 tablets, \$1.00; 1,000 tablets, \$4.25.

### Insecticides

**PATERSON'S CONCENTRATED CLENSEL**—Nothing better for the extermination of Thrips, Green Fly, Red Spider, American Blight, Ants, and other insect pests, while it is invaluable as a preventative and cure for mildew and fungoid diseases. A non-poisonous insecticide which will not burn, stain, or injure the most delicate plant, and can be used with safety even when the plants are in bloom or in fruit. Price, 1-2 pint, 75c; pint, \$1.25; quart, \$2.00.

### SOX THE FINEST INSECTICIDE IN THE WORLD

"SOX" is Non-Poisonous, safe to use, and certain in effect. It is adhesive, penetrating, does not clog the sprayer, and is harmless to plant life.

It is rapid in action, killing insect pests, even the most stubborn, which it has been impossible to kill with other insecticides.

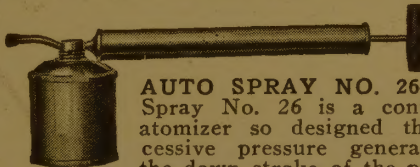
Its value is incomparable upon such pests as,—APHIS, GREEN & BLACK FLY, CATERPILLAR, WHITE FLY, WOOLLY APHIS, RED SPIDER, BLIGHT, MILDEW, etc.

"SOX" is supplied in tablet form.

**SOX TABLETS**—Particularly recommended for use under glass and for delicate foliage;—will be found of great value for Greenhouse, and house plants, also for outdoor use in small gardens.

| Size       | Tablets | Making Gals. | Price Post-Paid |
|------------|---------|--------------|-----------------|
| 1 contains | 3       | 3            | .35             |
| 2 contains | 6       | 6            | .60             |
| 3 contains | 12      | 12           | 1.00            |
| 4 contains | 24      | 24           | 1.75            |

**GISHURST'S COMPOUND**—(Imported)—For destroying red spider, mealy bug, scale, thrips, etc. Box, 75c.



**AUTO SPRAY NO. 26**—Auto Spray No. 26 is a continuous atomizer so designed that excessive pressure generated at the down stroke of the plunger, allows this Sprayer to generate a continuous mist-like spray. This is a decided advantage over ordinary atomizers, which are intermittent, in that spraying can be done more rapidly with much less exertion.

It is designed for spraying garden crops, for use in greenhouses, for handling disinfectants and fly oils. In fact, it can be used with almost all spraying solutions. Price, postpaid, \$1.75.

**SCOLLAY'S RUBBER SPRINKLERS**—Largely used by florists for sprinkling cut flowers. Straight or angle neck. Each, \$1.60; postpaid, \$1.75.

### Insecticides

**BLACKLEAF 40**—The common soft-bodied sucking insects are aphids (plant lice), thrips and leaf hoppers, attacking a variety of plants, roses, and other flowers, shrubs, fruits and vegetables. They may be controlled effectively by spraying with "Black Leaf 40," which is a concentrated solution of nicotine sulphate. 1 oz. bottle, 35c; 1-2 lb. tin, \$1.25; 2-lb. tin, \$3.50; 10-lb. tin, \$15.00

### SPRAY-TABS

BORDEAUX-ARSENATE TABLETS

**SPRAY-TABS**—A combined insecticide and fungicide compressed into tablet form for the convenience of users. They contain just the proper amount of poison, with other chemicals, to give efficient control over insects that infest vegetables, flowers, fruits, and foliage plants. They are easy to use, convenient, and powerful. Spray-Tabs, and Stim-U-Plant Tablets are an effective team that will help you to succeed with your garden or house plants. Spray-Tabs are sold in one size,—30 tablets. Pkt. 40c. Postpaid.

**NICO-FUME LIQUID**—This is a highly refined solution of "free" nicotine. This may be used both for spraying and fumigating. Directions on each package. Price, 1-4 lb. tin, 75c; 1 lb. tin, \$2.25; 8 lb. tin, \$15.00.

**SULPHO-TOBACCO SOAP**—This popular insecticide never fails to give satisfaction, and is recommended for the extermination of all insect life on plants and flowers, both in and out of doors. Price 3 oz. cake sufficient for 1 1-2 gallons prepared solution, 15c, or postpaid, 20c; 8 oz cake sufficient for 4 gallons prepared solution, 30c, or 35c postpaid.

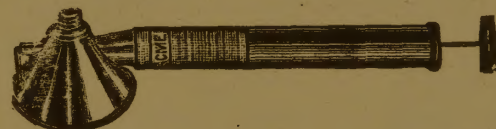
**GRAPE DUST**—A powdered fungicide very efficient in destroying mildews and preventing blight. Price, 1 lb. carton, 40c; postpaid.

**WHALE OIL SOAP, WITH TOBACCO**—A very effective, simple and cheap preparation for the preservation of trees, shrubs, plants, vines, rose bushes, etc., from the ravages of insects. Lb. 35c; 5 lbs. \$1.25; 10 lbs. \$2.40.

**SULPHUR**—Prevents mildew on grape vines, bushes, etc. Lb. 10c; 5 lbs. 40c.

**TOBACCO DUST**—Valuable as an insecticide and fertilizer. Sure preventive for green fly, and better as a mulch than the stems. Lb. 15c; 5 lbs. 50c; Write for quantity price.

**TOBACCO STEMS**—For fumigating. Valuable as a mulch for rose beds and sweet peas. 25 lbs. \$1.75; 50 lbs. \$3.00; 100 lbs. \$5.00.



**ACME ATOMIZER**—The most satisfactory fog sprayer at the price. Made of tin and galvanized iron. Useful for spraying flowers, shrubs, vegetables and for applying fly-oil to animals. Each, 75c; postpaid, \$1

**DEMING 'SUCCESS' BUCKET SPRAY PUMP**—This is without doubt the most popular bucket spray pump on the market today. A pump of this type is practically indispensable for spraying flowers, vegetables, trees, or for applying whitewash. All working parts brass—fully guaranteed. Price prepaid, \$8.00.





*Growers  
of  
Irises, Peonies,  
Phloxes,  
Hardy Shrubs  
and Vines,  
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Maplewood  
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Superb  
Peonies*